



# 360 FIRE & FLOOD

## PROPERTY RESTORATION

360 Fire & Flood  
166 Thompson Rd. Suite 4  
Houma, LA 70363  
September 23, 2024

Contractors License # 72915  
Mold Remediation License # 251255



Proposal Name: To Provide Remediation Services for Various Jefferson Parish Departments  
Proposal No. 0487

Proposal Receipt Date and Time: October 4, 2024, 3:30PM



# 360 FIRE & FLOOD

## PROPERTY RESTORATION

October 4th, 3:30 pm  
360 Fire & Flood LLC  
166 Thompson Rd, Suite 4, Houma, LA 70363

## Cover Letter

**360 Fire & Flood**  
**166 Thompson Rd. Suite 4**  
**Houma, LA 70363**  
**September 23, 2024**

**Contractors License # 72915**  
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Jefferson Parish Purchasing Department  
RFP Proposal No. 0487  
Jefferson Parish Department of Purchasing 200 Derbigny Street, Suite 4400  
Gretna, LA 70053  
(504) 364-2678

Dear Jefferson Parish Purchasing Department,

360 Fire & Flood is pleased to submit this proposal in response to RFP #0487 to Provide Remediation Services for Various Jefferson Parish Departments. With our extensive experience in emergency response and remediation, we are confident in our ability to meet and exceed the requirements outlined in the RFP.

Our team is fully prepared to perform the required services and enter into a contract with the Parish. Attached is the necessary evidence of authority for the undersigned to negotiate and commit on behalf of 360 Fire & Flood.

We appreciate the opportunity to present our qualifications and look forward to discussing how we can contribute to the success of your project.

Sincerely,



Jon Mackie  
Chief Financial Officer  
360 Fire & Flood  
248-425-5189  
jmackie@360fireflood.com



## Table of Contents

<b>Cover Letter</b> .....	2
<b>Table of Contents</b> .....	3
<b>Technical Proposal Elements</b> .....	4
<b>Scope of Work - Part II Section 2.1</b> .....	4
<b>Qualifications - Part II Section 2.7A</b> .....	6
<b>Qualifications and Experience</b> .....	8
<b>Innovative Concepts</b> .....	12
<b>Project Schedule</b> .....	12
<b>Financial Profile</b> .....	14
<b>Appendices</b> .....	18
Request for Proposal RFP#0487 Signature Page .....	
Corporate Resolution .....	
Request for Proposal RFP#0487 Affidavit Page .....	
Insurance Requirements .....	
360 Fire & Flood Insurance Requirements.....	
Subcontractors Insurance Requirements .....	
<b>WORKER'S COMPENSATION INSURANCE</b>	
<b>COMMERCIAL GENERAL LIABILITY</b>	
<b>BUSINESS AUTOMOBILE LIABILITY</b>	
Licenses and Certifications .....	
Additional Supporting Documents .....	
Client Testimonials or References .....	
Resumes .....	
Sub Contractor Resumes .....	
360 Fire & Flood Documents .....	
<b>Product info and MSDS sheets in OneDrive</b> .....	



## 360 Fire & Flood – Technical Proposal

### Scope of Work - Part II Section 2.1

#### **1. On-Demand Services**

360 Fire & Flood is fully equipped to perform all remediation services as outlined. Our team of trained professionals will provide labor, materials, and equipment for cleaning, sanitizing, disinfecting, water extraction, structure, and content cleaning, drying, temporary power, mold remediation, debris removal, and other tasks. We ensure that each Jefferson Parish facility or department is restored efficiently and safely, with minimal disruption to operations.

#### **2. Response Times**

We guarantee a rapid response to all service requests. For properties in Jefferson Parish, our team will respond within one (1) hour to evaluate conditions. For properties in Grand Isle, we will respond within three (3) hours. Our dispatch system allows us to ensure precise and timely deployment of personnel and equipment.

#### **3. Evaluation and Detailed Labor, Materials, and Equipment List**

Within six (6) hours of receiving a request, our team will complete a thorough assessment of the site and provide a detailed list of labor, materials, and equipment required. This includes recommendations for all necessary remediation actions to address water intrusion, mold, and health risks.

#### **4. Scope of Work**

A comprehensive, scope of work will be prepared and submitted to a Jefferson Parish representative for approval before any work begins. This scope will include procedures, equipment, materials, labor, remediation, mold removal, cleaning, etc.

#### **5. Pricing Review**

Within seven (7) hours of receiving the request, we will review pricing procedures and provide a detailed breakdown of costs, ensuring that Jefferson Parish is fully aware of and agrees to all expenses before the work commences.

#### **6. Work Approval**

No work will begin until a Jefferson Parish representative has reviewed and approved the scope and pricing. This ensures full transparency and that both parties are aligned before proceeding.

#### **7. Scheduling and Remediation Start**

Once approved, our team will start the remediation process within ten (10) hours of receiving the request. We are committed to maintaining project timelines and ensuring prompt action to mitigate further damage.

#### **8. Pre-Inspection and Existing Damage Documentation**

Before commencing any remediation work, we will conduct a pre-inspection of the facility to document any existing damage to walls, floors, doors, and other areas. This ensures that any pre-existing issues are noted and not confused with new damage caused by the remediation work.

#### **9. Protection of Undamaged Areas**

We take every precaution to protect undamaged floors, walls, corners, doors, and other items during the remediation process. All non-damaged areas will be shielded from accidental damage caused by personnel or equipment.



#### **10. Post-Remediation Evaluation**

After completion of the remediation work, we will conduct a detailed evaluation with a Jefferson Parish representative to ensure the work meets all standards and expectations.

#### **11. Adequate Staffing and Resources**

360 Fire & Flood maintains an adequate staff of skilled workers, supervisors, and necessary equipment to meet the needs of any project. We are prepared to scale up or down depending on the scope of work required, ensuring efficiency and adherence to timelines.

### **Scope of Work - Part II Section 2.1 Continued**

#### **12. Clean-Up of Materials and Trash**

Upon completion of remediation, all protective coverings, wrappings, and other materials will be removed, and the worksite will be thoroughly cleaned. Our goal is to leave the facility in a clean, functional condition, free of any waste generated during the work.

#### **13. Reassembly of Furnishings and Equipment**

If any furnishings or equipment are disassembled during the remediation process, our team will ensure that these items are properly reinstalled or reassembled upon completion of the work.

#### **14. Post-Remediation Inspection and Reporting**

A final inspection will be conducted with a Jefferson Parish representative to ensure that all work has been completed to the required standards. We will also provide a post-remediation report outlining any deficiencies or remaining issues, allowing for full transparency and closure of the project.

#### **15. Maintenance and Repair of Remediation Equipment**

Our team is equipped with the necessary personnel to maintain and repair all remediation equipment used during the project. This ensures that equipment remains functional and minimizes any downtime.

#### **16. Fuel Provision**

While Jefferson Parish reserves the right to provide fuel for remediation equipment, 360 Fire & Flood is fully capable of supplying fuel when necessary, ensuring seamless operation of all machinery on-site.

#### **17. Security Arrangements for Site & Equipment**

For added security, we will provide fencing and guards to protect the site and all remediation equipment on-site. If Jefferson Parish deems it more cost-effective, they may provide security measures in place of our services.

#### **18. Work Completion Approval**

All remediation work will be reviewed and approved by a Jefferson Parish representative before the project is officially declared completed. This ensures mutual satisfaction with the work performed.

#### **19. Outside Labor Cost Disclosure**

If outside labor is required, we will provide Jefferson Parish with detailed per diem and lodging costs for all personnel involved before the commencement of work. We commit to transparency in all cost disclosures.



### **20-22. Invoice Review and Materials Documentation**

All invoices will include comprehensive details of work performed, including the names of personnel, work descriptions, materials used, and time worked. We will provide all required safety data sheets and manufacturers' specifications for chemicals and materials used.

### **23-24. Manufacturer and Safety Data Sheets**

Before using any materials or chemicals, we will submit the necessary manufacturer data sheets and Material Safety Data Sheets (MSDS) safety documentation to Jefferson Parish for review and approval.

### **25-30. Time Tracking, Equipment Use, and Pricing**

For all major events, 360 Fire & Flood will implement a time clock management system to accurately track labor. Daily worksheets will be provided, documenting equipment usage, run times, and installation/removal dates. All pricing for labor, equipment, and materials will be calculated using the latest version of the Xactimate Estimating Program, ensuring accurate and consistent pricing.

**360 Fire & Flood is fully prepared to meet all outlined requirements of the Jefferson Parish RFP with efficiency, transparency, and professionalism. Our proven experience, well-trained team, and advanced technology will ensure that we provide exceptional remediation services, tailored to the needs of Jefferson Parish.**

## **Qualifications - Part II Section 2.7A**

### **1. Technical Approach: Meeting the Scope of Work (Section 2.1) (See Response Above)**

360 Fire & Flood is committed to providing a comprehensive and strategic approach to meeting all aspects of the Scope of Work as outlined in Section 2.1. Our approach is designed to ensure rapid response, efficiency, and the highest standards of service.

### **Plans and Schedule of Implementation: (See Response Above)**

- **Immediate Response and Evaluation:**
  - We guarantee that 360 Fire & Flood will respond within one (1) hour of a request for evaluation in Jefferson Parish, and within three (3) hours for properties in Grand Isle. Our team is equipped with mobile units that are strategically positioned to ensure swift deployment.
- **Detailed Evaluation within Six (6) Hours:**
  - Upon arrival, we will conduct a thorough assessment of the impacted facility, identifying damage and required remediation services. Within six hours of receiving a request, we will provide a comprehensive list of labor, materials, and equipment needed for proper remediation.
- **Scope of Work Submission within Ten (10) Hours:**
  - Our team will work closely with Jefferson Parish representatives to draft a detailed scope of work. This document will outline all necessary procedures, labor, materials, and equipment required for services like water extraction, mold remediation, drying, and debris removal. This scope will be submitted for approval within 10 hours of receiving a request.
- **Remediation Process Implementation:**
  - Once approved, 360 Fire & Flood will mobilize to begin work immediately, ensuring that all remediation procedures are executed according to the agreed timeline and scope.
- **Post-Remediation Inspections and Cleanup:**



- Upon completion of the work, a final inspection will be conducted with a Jefferson Parish representative to evaluate the remediated areas and ensure all standards have been met. Following this, all protection measures, debris, and materials will be removed and disposed of according to environmental regulations.

## 2. Training Plans

At 360 Fire & Flood, we understand the importance of training in ensuring a high level of performance. Our team undergoes regular training in the latest remediation and safety protocols, enabling them to perform effectively in a variety of disaster recovery situations. Training plans include:

- **Staff Onboarding and Orientation:**
  - **Daily Check-In Process**
  - All workers are required to check in with the site supervisor upon arrival each day. This ensures attendance is logged and everyone is accounted for. Workers will receive necessary personal protective equipment (PPE) and be assigned to their designated areas for the day.
  - **Clear Goals and Work Areas**
  - At the beginning of each shift, the site supervisor will conduct a quick briefing to outline the day's objectives, including the specific tasks to be completed. Clear goals will be communicated to ensure everyone understands their roles and responsibilities. Each team will be assigned to a designated work area, focusing on tasks like demolition, debris removal, moisture mapping, and any specific restoration efforts required.
  - **Safety and Equipment Use**
  - Workers will be reminded of safety protocols and proper use of equipment relevant to the day's tasks. The importance of adhering to OSHA regulations and company safety guidelines will be reinforced.
  - **Progress Monitoring and Updates**
  - Throughout the day, supervisors will monitor progress and provide feedback or adjustments as necessary. Workers are encouraged to ask questions and report any issues immediately to ensure smooth operations.
  - **End-of-Day Check-Out**
  - Before leaving, all workers must check out with the site supervisor, who will confirm that tasks were completed, equipment was returned, and areas were left in a safe condition. Any feedback or updates on the next day's work will also be shared during this time.
- **Specialized Training:**
  - Key staff members are trained in specialized areas such as water extraction, mold remediation, and hazardous material handling. This training is updated regularly to ensure compliance with the latest industry standards.
- **On-the-Job Training:**
  - As the project progresses, 360 Fire & Flood will provide on-the-job training sessions for all new hires or temporary personnel brought in for specific tasks, ensuring that they meet the performance and safety standards of Jefferson Parish.

## 3. Affirmation of Understanding and Capability

360 Fire & Flood has thoroughly reviewed the Scope of Work throughout the RFP, and we affirm our understanding of the nature of the services required. Our team is highly experienced in disaster recovery and remediation services, including water extraction, drying, mold removal, debris management, and more. We are fully capable of delivering the services required by Jefferson Parish and are prepared to meet the detailed requirements of the RFP.

We are committed to working in close collaboration with Jefferson Parish representatives to ensure that all work is performed to the highest standards and within the required timelines.



#### 4. Innovative Concepts Section 2.7A

360 Fire & Flood is dedicated to providing innovative solutions that enhance the efficiency and effectiveness of our services. Some of the key innovations we bring to this project include:

- Real-Time Monitoring Technology:
  - Our use of real-time monitoring systems allows for continuous tracking of equipment performance during the remediation process. This process allows us to reduce the amount of time to dry any salvageable materials and help prevent microbial growth.
- Sustainable Remediation Practices:
  - We are committed to using environmentally friendly cleaning agents and sustainable remediation practices that minimize environmental impact while maintaining the highest level of safety and effectiveness. We use hospital grade products that are safe and effective to use in occupied spaces.
- Xactimate Estimating Program:
  - 360 Fire & Flood utilizes T&M Pro with our agreed to T&M rates for labor, materials and equipment for mitigation and remediation projects. We use the Xactimate Estimating Program to provide accurate cost estimates for re-construction. This ensures that all pricing is transparent, fair, and aligned with industry standards.
- Efficient Communication Platforms:
  - Our team leverages advanced communication platforms to keep all stakeholders informed and engaged throughout the project. This ensures efficient collaboration between our team and Jefferson Parish representatives. Daily Field Reports, Crew Sheets, Moisture Maps, Drying Logs are just some of the documentation that we provide to the client. We set up regular meetings throughout each project to discuss progress, schedules, concerning issues and expected completion dates.



## 360 Fire & Flood - Qualifications and Experience

### Company Overview

360 Fire & Flood is a full-service general contractor specializing in emergency water, fire, storm, mold remediation, disaster recovery, abatement, and reconstruction. 360 Fire and Flood delivers 24/7/365 immediate emergency response and the unique knowledge required to effectively mitigate the many problems that are present when catastrophe strikes. We were founded in April 2019, by an executive team that lead one of the largest independently owned restoration companies in North America. We currently have over 350 years of combined experience, with jobs as large as 20m completed. 360 Fire & Flood is a Michigan-owned company headquartered in Southfield, Michigan, with a local office in Louisiana. We are an industry leader in commercial property restoration and offer our services nationwide. We employ a team of 175 experienced restoration professionals, and our annual revenue is trending towards more than 65 million for 2024.

360 Fire & Flood has successfully performed remediation services for “sudden and accidental loss” and “catastrophic natural events”. Our portfolio includes key projects such as:

- **Event 1:** Scion Lark Athens, response to Winter Storm Elliot, involving full property restoration including water extraction, structural drying, and reconstruction for 46 apartments that suffered damages from broken sprinkler lines. Mitigation \$1.4mm, Reconstruction \$2.2mm
- **Event 2:** Scion Ion Baton Rouge, mold remediation following student turnover, delivering mold remediation, structural drying, and reconstruction for 42 apartments in under Thirty (30) days. \$224k
- **Event 3:** Whiskey Creek Condominiums, response to Hurricane Ian, involving surgical mitigation to 104 Condominiums while not requiring Owners to move out of their homes. Mitigation 160k
- **Event 4:** Springhill Suites Hotel, response to water line break on 4<sup>th</sup> floor, impacted 18 finished hotel rooms, lobby, offices, laundry, and gym. Successfully used E3 innovative drying methods to dry mostly in place requiring minimal demolition. Mitigation \$472k
- **Event 5:** Aves at Twelve 100, rapid response to fire, providing full restoration of property, including mitigation, temporary power, structural drying and reconstruction. Mitigation \$645k, Reconstruction \$1.2mm
- **Event 6:** Aventura Station, response to flooding from heavy rain, performed extraction, mitigation, structural drying, and mold remediation affecting entire first floor consisting of 20 apartments, leasing office, and retail space. Mitigation \$237k

This extensive experience allows us to respond efficiently and effectively to property damage caused by unforeseen disasters, ensuring a swift return to normal operations for our clients.

360 Fire & Flood understands the strong emotions that come with property damage, and our restoration experts work with our customers to provide the leadership needed to handle the numerous variables that property damage presents. 360 Fire & Flood is well-positioned to react quickly, navigate the problem, and find a resolution for our clients so their property is back in use quickly.

### Core Values

- Team Commitment
- Be Respectful
- Relentless Commitment to Excellence
- Honesty/Integrity
- Responsive
- Client First



## Turn-Key Solution Provider

360 Fire & Flood is a leading provider of comprehensive restoration and turn-key solutions when disaster strikes. As a full-service restoration and general contracting company, we specialize in emergency mitigation, restoration, environmental remediation, roofing, and construction services. With 360 Fire & Flood, you can trust us to handle every aspect of your restoration needs.

Our primary goal is to eliminate the stress of property damage and restore your business quickly and efficiently with minimal disruption. We respond immediately by mobilizing resources, assessing the site, stabilizing the property to prevent further damage, and developing a detailed scope and schedule to complete the work—always meeting deadlines and exceeding expectations.

During disaster events, such as hurricanes, we take a proactive approach by pre-staging crews and equipment before the storm hits, ensuring we can quickly respond to any losses our clients may experience. We maintain constant communication with authorized representatives, so if a loss occurs, we are prepared to assess the property and begin restoration promptly.

- 24/7 Emergency Response	- Fire & Smoke Odor Removal
- Water Extraction	- Building/Site Stabilization
- Structural Drying and Dehumidification	- Temporary Power & HVAC Services
- Mold Remediation	- Full Reconstruction & Repairs
- Infectious Disease Clean-up & Decontamination	- Demolition & Debris Removal
- Biohazard & Trauma Scene Clean-up	- Consulting Services & Disaster Planning
- Documentation Restoration	- Contamination Containment
- Temporary Board-Up and Securing of Property	- Abatement
- Moisture Mapping	- Catastrophe Management



## 360 Fire & Flood - Qualifications and Experience – Continued

### Experience with Government & Private Entities:

**Project 1: Lark Athens - 18,680 SF** -Scion Lark Athens, response to Winter Storm Elliot, involving full property restoration including water extraction, structural drying, and reconstruction for 46 apartments that suffered damages from broken sprinkler lines. Mitigation \$1.4mm, Reconstruction \$2.2mm

**Project 2: South Lyon East High School - 140,000 SF** - The flooring contractor did not properly store varnish rags creating a combustion on top of the rubber flooring. Causing extensive smoke damage throughout newly remodeled gym and auxiliary gym. We immediately responded and had 40 cleaning technicians there in a couple of hours cleaning the existing gym from top to bottom. The entire gym and auxiliary gym had to be completely restored. Reconstruction cost \$1.4 million, cleaning and restoration cost \$640,000.

**Project 3: ION Baton Rouge – 64,000 SF** We performed mold remediation in a 64-unit student housing apartment building, addressing mold growth caused by leaks from HVAC systems and showers. The remediation and necessary repairs were completed within a 3-week timeframe, minimizing disruption to residents, and ensuring a safe, healthy living environment.

### Customer Satisfaction:

**Client Feedback/References:** We have consistently received positive feedback for our responsiveness, expertise, and effective solutions.

1. Chris Bullinger – South Lyon School District, MI  
(734)-707-3498  
[Bullingerc@aaps.k12.mi.us](mailto:Bullingerc@aaps.k12.mi.us)
2. Eric Bronstein – The Scion Group Executive Vice President  
312-919-4371  
[cfernandez@thesciongroup.com](mailto:cfernandez@thesciongroup.com)
3. Katherine Fernandez- The Scion Group Regional Manager (Miami-Fort Lauderdale Area)  
305-360-4261  
[Cfernandez@thesciongroup.com](mailto:Cfernandez@thesciongroup.com)



## 360 Fire & Flood - Qualifications and Experience – Continued

- **Volume of Clients:** We have managed over 3,500 projects in the past 5 years, demonstrating our capability to handle large-scale and complex remediation and turn-key solutions for our clients.
- **Personnel Experience:** 360 Fire and Flood brings over 150 years of combined experience in comprehensive restoration and reconstruction services, spanning a diverse range of property types. Our expertise extends to single-family residential homes, multifamily complexes, commercial offices, retail spaces, government buildings, educational institutions, hospitals, military bases, and industrial facilities. With a dedicated team of 175 full-time personnel, we are able to swiftly mobilize resources nationwide, leveraging a network of labor subcontractors that can provide over 1,500 skilled professionals as needed. This extensive capability allows us to efficiently manage projects of any scale, ensuring rapid, quality results in the face of even the most complex restoration challenges.
- **Subcontractors / Scope of Work**
  1. **Guardian 360 Cleaning and Restoration**
    - We subcontract Guardian 360 Cleaning and Restoration, a subcontractor to perform emergency water extraction, stabilization, moisture mapping, and provide experienced mitigation personnel. Guardian 360 works exclusively with 360 Fire & Flood on a national level, ensuring high-quality service for our clients.
  2. **PLC Labor Service Provider**
    - We subcontract PLC, a labor service provider with over 10 years of experience in disaster recovery, emergency response, and the construction industry. They supply a diverse workforce, including mold remediation specialists, general laborers, supervisors, and skilled rebuild teams. With a strong crew presence in Louisiana, PLC can rapidly deploy additional personnel from nearby areas as needed.
  3. **Workforce Restoration**
    - We subcontract Workforce Restoration, a labor service provider with over 5 years of experience in disaster recovery, emergency response, and construction. The team offers a wide range of personnel, including mold remediation workers, general laborers, skilled labor for rebuilds, and supervisors to ensure efficient project completion. The labor crews are highly experienced in demolition, containment, and mitigation procedures, that take pride in delivering high-quality results on every project



## 360 Fire & Flood Innovative Concepts

### 1. Advanced Remediation Technology:

- **Concept:** We use cutting-edge technology such as E3 Drying to enhance the efficiency and effectiveness of our mitigation processes for most Category 1 and 2 losses. Through the use of heat, strategically placed equipment and real time monitoring, we're able to dry a structure and most building materials in place without the need for excessive demolition. This saves time and money and gets the property back to it's pre-loss condition faster.
- **Benefit:** This innovation ensures quicker response times and more precise remediation results, minimizing disruption and ensuring safety.

### 2. Eco-Friendly Solutions:

- **Concept:** Implementation of environmentally friendly remediation techniques that reduce waste and lower environmental impact. The E3 Drying method described above minimizes demo by successfully drying building materials in place.
- **Benefit:** These practices align with sustainability goals and demonstrate our commitment to eco-conscious operations.

## 360 Fire & Flood Project Schedule

### 1. Initial Call and Response

- Call received by Call Center or dedicated Business Development (BD) Representative, relayed to National Team and Local Office.
- **1-hour response** to evaluate conditions (**3 hours for Grand Isle**).
- Location assessment to determine the fastest response time.

### 2. Project Management and Site Contact

- A dedicated Project Manager is assigned and dispatched to the site.
- Site contact made to advise on response time, discuss loss, and immediate needs.
- If the loss is due to fire, confirm whether the scene has been cleared by authorities.

### 3. Emergency Response and Assessment

- Emergency crews and equipment dispatched based on the described loss.
- Project Manager will evaluate loss within 6 hours
- Ensure water and electricity are safely shut down if necessary.
- Site assessment to identify hazardous conditions for occupants, staff, and restoration personnel.

### 4. Client Communication and Initial Work Plan

- Discuss loss type and proposed mitigation methods with the client. (BD personnel and Project Manager communicate with the client.)



- The Project Manager will provide a Rough Order of Magnitude (ROM) and Scope of Work (SOW) to the site contact within 7 hours.
- Acquire client approval before proceeding with the mitigation.
- The National Operations Manager will schedule all work and start remediation procedures within 10 hours of receiving request
- The VP of Operations, National Operations Manager, Project Manager, and/or BD to have daily to weekly briefings with client to discuss progress, schedule changes, and provide updates on status of project.

#### **5. On-Site Emergency Services**

- Request to perform emergency water extraction if needed, while the evaluation / site assessment is in process.
- Board-up and dry in roofs if the structure is compromised.
- Protection of furnishings and property; if necessary, provide contents pack out for off-site cleaning and storage.
- Unaffected areas are separated from the affected areas with containment walls.

#### **6. Stabilization**

- Set up temporary power for lighting and equipment needs.
- Deploy dehumidifiers/desiccants and air scrubbers to stabilize the environment.
- Create moisture maps to identify all affected areas.

#### **7. Industrial Hygienist and Protocols**

- Coordinate with Jefferson Parish Industrial Hygienist (IH) or provide an IH team to assess the property and write a protocol for mitigation/remediation.
- Removal of wet, unsalvageable materials based on water category, or dry-in-place if possible.
- Apply approved anti-microbial disinfectant to affected, salvageable materials.

#### **8. Structural Drying and Monitoring**

- Project manager and supervisor to direct labor personnel to set up dehumidification to aid in stabilization while demolition is completed for unsalvageable materials.
- Once demolition is complete air movers will be placed to expedite structural drying as no visible mold growth is present.
- Project Manager to provide daily monitoring of equipment and conditions, adjusting as necessary to maximize efficiency and minimize drying time.
- Project Manager or Restoration Technician will document material moisture content and ambient conditions, and provide Daily Field Reports with pictures to the client.

#### **9. Post-Mitigation Testing and Certification**

- Once drying is complete, Project Manager to work with Jefferson Parish selected Industrial Hygienist to inspect and test the property to ensure the work complies with industry standards.
- Certification that the property is safe for reconstruction.

#### **10. Reconstruction Phase**



- Project Manager and Restoration Technician to provide photo documentation and 3D scanning of the property done throughout the mitigation process.
- Upon clearance testing, reconstruction begins.
- A Project Manager to develop a detailed reconstruction schedule to provide with the client and updated weekly.
- The VP of Operations, National Operations Manager, Project Manager, and/or BD weekly meetings held with the client to discuss progress, schedule changes, and resolve any issues.

# 360 Fire & Flood

## IS Summary Output

### Consolidated Adjusted Income Statement

FYE 12/31 (\$ in 000's)	Month			YTD	
	July		'24 Δ	July	
	2024	2023	.vs '23	2024	2023
Construction Income	\$1,492	\$1,211	23%	\$14,236	\$14,648
Emergency Services Income	1,731	1,392	24%	10,834	14,310
Consulting Income	19	1	1894%	125	41
Remediation	–	4	(100%)	–	4
Structure Cleaning	40	437		319	1,370
Work In Process Adjustment	–	1,432	(100%)	(1,225)	3,881
<b>Revenue</b>	<b>\$3,282</b>	<b>\$4,477</b>	<b>(27%)</b>	<b>\$24,289</b>	<b>\$34,254</b>

# 360 Fire & Flood

## IS Summary Output

### Consolidated Adjusted Income Statement

FYE 12/31 (\$ in 000's)	Month			YTD	
	December		'23 Δ	December	
	2023	2022	.vs '22	2023	2022
Construction Income	\$2,285	\$2,518	(9%)	\$25,578	\$19,453
Emergency Services Income	1,434	752	91%	23,082	10,758
Consulting Income	164	29	467%	271	116
Remediation	–	–	–	4	–
Structure Cleaning	151	152		1,705	1,773
Work In Process Adjustment	(190)	(501)	62%	5,029	(1,982)
<b>Revenue</b>	<b>\$3,844</b>	<b>\$2,950</b>	<b>30%</b>	<b>\$55,668</b>	<b>\$30,118</b>



'23 Δ	LTM	
	Dec-23	Dec-23
.vs '22		
31%	\$25,578	\$25,578
115%	23,082	23,082
133%	271	271
-	4	4
	1,705	1,705
354%	5,029	5,029
<b>85%</b>	<b>\$55,668</b>	<b>\$55,668</b>

# 360 Fire & Flood

## IS Summary Output

### Consolidated Adjusted Income Statement

	Month			YTD	
	12/1/22	12/1/21		1/1/22	1/1/21
	12/31/22	12/31/21		12/31/22	12/31/21
FYE 12/31 (\$ in 000's)	December		'22 Δ	December	
	2022	2021	.vs '21	2022	2021
Construction Income	\$2,518	\$1,055	139%	\$19,453	\$11,693
Emergency Services Income	752	647	16%	10,758	5,374
Consulting Income	29	32	(10%)	116	101
Remediation	—	—	—	—	(0)
Structure Cleaning	152	215		1,773	1,968
Work In Process Adjustment	(501)	477	(205%)	(1,982)	1,770
<b>Revenue</b>	<b>\$2,950</b>	<b>\$2,425</b>	<b>22%</b>	<b>\$30,118</b>	<b>\$20,906</b>



	LTM	
	1/1/22 12/31/22	1/1/23 12/31/23
'22 Δ vs '21	Dec-22	Dec-23
66%	\$19,453	\$25,578
100%	10,758	23,082
15%	116	271
(100%)	—	4
	1,773	1,705
(212%)	(1,982)	5,029
<b>44%</b>	<b>\$30,118</b>	<b>\$55,668</b>



'24 Δ vs '23	LTM	
	Jul-24	Dec-23
(3%)	\$25,166	\$25,578
(24%)	19,605	23,082
205%	355	271
(100%)	–	4
	654	1,705
(132%)	(78)	5,029
<b>(29%)</b>	<b>\$45,703</b>	<b>\$55,668</b>

**Job Count** 2740 Jobs received since 8/1/2022  
**Job Revenue** 86,842,787.49 Jobs received since 8/1/2022

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

**Largest 10 Jobs in last 2 years**

Location	Number	Customer
Southfield	22-0723-STR	Lark Athens
Southfield	22-0336-STR	Independence Square Apts/ Princeton
Southfield	23-0083-STR	Karl's Cabin
Southfield	22-0720-STR	Ion at the Ballpark
Southfield	22-0721-STR	Redpoint Tuscaloosa
Southfield	24-0171-STR	Valassis
Southfield	23-0570-STR	Knollwood Village Apts
Pompano Beach	F22-0208-STR	Aspen Square Management, Inc.,
Southfield	23-0111-STR	South Lyon Community Schools
Southfield	22-0699-WTR	University House Fayetteville

Name	Estimated Revenue
4th, 5th & 6th floor - Advanced Restoration	3,433,298.74
16 Units - Adam AIA Contract	2,884,576.48
Karl's Cabin Restaurant	2,735,347.74
6th floor down - Makeover	2,568,539.02
Clubhouse & other units	1,990,400.40
Valassis	1,857,970.94
Fire - 16 units affected 8 total Gut	1,854,043.22
River Reach Apartments	1,773,730.60
East High School	1,453,802.58
Elite Carpet & Restoration	1,296,577.18

**Request for Proposals #0487**

**To Provide Remediation Services for  
Various Jefferson Parish Departments**

**SIGNATURE PAGE**

The Jefferson Parish Department of Purchasing is soliciting Request for Proposals (RFP'S) from qualified proposers who are interested in providing **Remediation Services for Various Jefferson Parish Departments** for the for the Jefferson Parish Department of **General Services**.

**Request for Proposals will be received until 3:30 p.m. Local Time on: August 29, 2024**

Acknowledge Receipt of Addenda: Number: 1  
Number: 2  
Number: \_\_\_\_\_  
Number: \_\_\_\_\_  
Number: \_\_\_\_\_  
Number: \_\_\_\_\_

Name of Proposer: 360 FIRE & FLOOD

Address: 34828 16th 22310 TELEGRAPH  
SOUTHFIELD MI 48033

Phone Number: 248 900 3473 Fax Number \_\_\_\_\_

Type Name of Person Authorized to Sign: Jon Mackie

Title of Person Authorized to Sign: CFO

Signature of Person Authorized to Sign: JM

Email Address of Person Authorized to Sign: jmackie@360fireflood.com

Date: 9/29/24

This RFP signature page must be signed by an authorized Representative of the Company/Firm for proposal to be valid. Signing indicates you have read and comply with the Instructions and Conditions.

**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
360 Fire & Flood LLC  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF 360 Fire & Flood  
INCORPORATED, DULY NOTICED AND HELD ON 10/4/2024,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT WAS:

RESOLVED THAT Adam Becker, BE AND IS HEREBY APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES, DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE EXECUTION OF ALL PROPOSALS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES, CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH PROPOSAL OR CONTRACT, THIS CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE A TRUE AND CORRECT COPY OF AN EXCERPT OF THE MINUTES OF THE ABOVE DATED MEETING OF THE BOARD OF DIRECTORS OF SAID CORPORATION, AND THE SAME HAS NOT BEEN REVOKED OR RESCINDED.

  
SECRETARY-TREASURER

10/4/2024  
DATE

**Request for Proposal**

**AFFIDAVIT**

STATE OF Michigan

PARISH/COUNTY OF Oakland

BEFORE ME, the undersigned authority, personally came and appeared: in  
Person, (Affiant) who after being by me duly sworn, deposed and said that he/she  
is the fully authorized CFO of 360 Fire & Flood (Entity), the party  
who submitted a proposal in response to RFP Number 0487, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ~~\_\_\_\_\_~~ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B ~~\_\_\_\_\_~~ there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Subcontractor Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A X Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned RFP.

Choice B \_\_\_\_\_ There are **NO** subcontractors which would require disclosure under Choice A of this section.

[Signature]  
Signature of Affiant

Jon Mackie  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 23<sup>rd</sup> DAY OF September, 2024.

Jennifer Dolanski  
Notary Public

Jennifer Dolanski  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires 9-19-2030.



ATTACHMENT "C"

APPENDIX A: The ensuing contract for this RFP solicitation may be eligible for federal reimbursement. As such this appendix will be applicable accordingly and shall be considered a part of the RFP documents. All applicable certifications must be duly completed, signed and submitted prior to award.

Debarment/Suspension Form

DEBARMENT/SUSPENSION CERTIFICATION

Debarment:

Federal Executive Order (E.O.) 12549 "Debarment" requires that all contractors receiving individual awards, using federal funds, and all subrecipients certify that the organization and its principals are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency from doing business with the Federal Government. By signing this document you certify that your organization and its principals are not debarred. Failure to comply or attempts to edit this language may disqualify your bid. Information on debarment is available at the following websites: [www.sam.gov](http://www.sam.gov) and <https://acquisition.gov/far/index.html> see section 52.209-6.

Your signature certifies that neither you nor your principal is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Jon Mackie, CFO  
(Name and Title of bidder's official)

360 FIRE & FLOOD  
(Name of bidder/company)

22310 TELEGRAPH  
(Address)

SOUTHFIELD MI 48033  
(Address)

PHONE 248 900 3478 FAX \_\_\_\_\_

EMAIL jmackie@360fireflood.com

 Signature 9/23/24 Date

ATTACHMENT "C"

APPENDIX A: The ensuing contract for this RFP solicitation may be eligible for federal reimbursement. As such this appendix will be applicable accordingly and shall be considered a part of the RFP documents. All applicable certifications must be duly completed, signed and submitted prior to award.

Anti-Lobbying Form

CERTIFICATION OF RESTRICTIONS ON LOBBYING

I, Jon MacLIE, CFO, hereby certify on  
(name and title of bidder's official)

behalf of 360 FIRE & FLOOD that:  
(name of bidder)

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit standard Form-L.L. "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Executed this 23 day of SEPTEMBER 2024

By [Signature]  
(signature of authorized official)

CFO  
(title of authorized official)

\*Bid bonds require copy of bid specifications. \*Performance/Payment bonds require copy of the contract

### BOND REQUEST FORM

Date Ordered: \_\_\_\_\_ Tequested By: \_\_\_\_\_

Principal / Contractor: \_\_\_\_\_

Obligee / Owner: \_\_\_\_\_  
(to whom bond is payable to)

Obligee Address: \_\_\_\_\_

Obligee Contact Person: \_\_\_\_\_

Phone Number : \_\_\_\_\_ Contact Email: \_\_\_\_\_

Bid Date and Time: \_\_\_\_\_ Amount of Bid: \$ \_\_\_\_\_

Bid Bond % or \$: \_\_\_\_\_ Performance %: \_\_\_\_\_ Payment %: \_\_\_\_\_ Other: \_\_\_\_\_

Contract Date: \_\_\_\_\_ Contract Amount: \_\_\_\_\_ Bond Amount: \_\_\_\_\_

Description & Project / Contract No.: \_\_\_\_\_

\_\_\_\_\_ Location of Work: \_\_\_\_\_

Estimated Start Date: \_\_\_\_\_ Estimated Completion Date: \_\_\_\_\_

Liquidated Damages / Penalties: \_\_\_\_\_ Warranty Length / Period: \_\_\_\_\_

Labor % \_\_\_\_\_ Material % \_\_\_\_\_ Gross Profit % \_\_\_\_\_ Subbed % \_\_\_\_\_

Subcontracted Trades	Approx. Dollar Amount	Bonded?
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Bid Results (dollar amount): #1\$ \_\_\_\_\_ #2 \_\_\_\_\_ #3 \_\_\_\_\_

Cost to Complete Work in Progress: \$ \_\_\_\_\_ Available Bank Credit: \$ \_\_\_\_\_

Bond Form (check one): Standard Form ( ) Federal ( ) State ( ) AIA ( ) # \_\_\_\_\_



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/24/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Marsh & McLennan Agency LLC 20 North Martingale Road Suite 100 Schaumburg IL 60173	<b>CONTACT NAME:</b> Charles Smith Jr. <b>PHONE (A/C, No, Ext):</b> 93120 705-2704 <b>E-MAIL ADDRESS:</b> Charles.SmithJr@MarshMMA.com		<b>FAX (A/C, No):</b> (847) 440-9133
	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURED</b> 360 Fire & Flood LLC 22310 Telegraph Road Southfield MI 48033	360FIRE-01	<b>INSURER A:</b> QBE Insurance Corp.	39217
		<b>INSURER B:</b> GuideOne National Insurance Co	14167
		<b>INSURER C:</b> Hastings Mutual Insurance Comp	14176
		<b>INSURER D:</b>	
		<b>INSURER E:</b>	
		<b>INSURER F:</b>	

**COVERAGES**

CERTIFICATE NUMBER: 1112559397

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		Y	ENV562004955-03	4/15/2024	4/15/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
C	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		Y	ACV 6251031	5/15/2024	5/15/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	202000322	7/17/2024	7/17/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liability			ENV56200495503	4/15/2024	4/15/2025	Each Incident \$1,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Parish of Jefferson, its Districts, Departments, Agencies and Employees under the direction of the Parish President and the Parish Council.

**CERTIFICATE HOLDER****CANCELLATION**

The Parish of Jefferson, its Districts, Departments, Agencies and Employees under the direction of the Parish President and the

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08/07/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <b>Stover &amp; Crouch Insurance</b> P. O. Box 190 716 South Madison Madisonville TX 77864-0190	CONTACT NAME: <b>Erin Ferguson</b>
	PHONE (A/C, No, Ext): <b>(936)348-2688</b> FAX (A/C, No): <b>(936)348-6926</b> E-MAIL ADDRESS: <b>erin@stovercrouch.com</b>
INSURED <b>Guardian 360 Cleaning &amp; Restorations, LLC</b> 1110 FM 2289 Madisonville TX 77864-	INSURER(S) AFFORDING COVERAGE
	INSURER A: <b>Texas Mutual Ins Co</b>
	INSURER B: <b>Rivington Environmental Partners</b>
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B X	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X	X	ENC0010779-01	12/20/2023	12/20/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PO/ AGG \$ 2,000,000
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Ret accident) \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below.			X 0002114809	08/08/2024	08/08/2025	X PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
**360 Fire & Flood LLC is named additional insured, with respect to the liability policy and as required by written contract.**

CERTIFICATE HOLDER	CANCELLATION
<b>360 Fire &amp; Flood LLC</b> 22310 Telegraph Road Southfield MI 48033-	<b>AI 012076</b>
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Stu Stover</i>



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08-28-2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Berkshire Hathaway Direct Insurance Company 1314 Douglas Street, Suite 1400 Omaha, NE 68102	<b>CONTACT NAME:</b> PHONE 1-800-507-4495 (A/C, No, Ext):      FAX: 866-715-2764 (A/C, No): E-MAIL ADDRESS: service@threeinsurance.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> NAIC # INSURER A : Berkshire Hathaway Direct Insurance Company      10391 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :	
<b>INSURED</b> PLC Team Personnel 884 Jenny Cir Brownsville, TX 78521-5438		

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUB R WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	x		CP140183992P2022	06/16/2024	06/16/2025	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 3,000,000
							PRODUCTS - COM/POP AGG	\$ SEE GENERAL AGGREGATE
								\$
A	AUTOMOBILE LIABILITY ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	x		CP140183992P2022	06/16/2024	06/16/2025	COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
							HIRED AND NON-OWNED	\$1,000,000/3,000,000
							EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE Y/N OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		CP140183992P2022	06/16/2024	06/16/2025	<input checked="" type="checkbox"/> PER STATUTE	<input checked="" type="checkbox"/> OTHER
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 3,000,000
A	ERRORS & OMISSIONS  CYBER	x		CP140183992P2022	06/16/2024	06/16/2025	PerOccur/Aggregate	\$1,000,000 / 3,000,000
							PerOccur/Aggregate	\$1,000,000 / 3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
The certificate holder is named an additional insured.

<b>CERTIFICATE HOLDER</b> 360 Fire and Flood LLC 2231D Telegraph rd Cutoff, MI 48033	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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ACORD 25 (2016/03)

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
07/16/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Next First Insurance Agency, Inc. PO Box 60787 Palo Alto, CA 94306	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): (855) 222-5919      FAX (A/C, No): E-MAIL ADDRESS: support@nextinsurance.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> <b>NAIC #</b>	
<b>INSURED</b> WorkForce Restoration Services LLC 16 Branson Mill Dr NW Cartersville, GA 30120	<b>INSURER A:</b> Next Insurance US Company      16285	
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

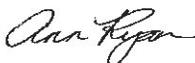
**COVERAGES**      **CERTIFICATE NUMBER:** 563775120      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X	NXT47H7FFT-00-GL	05/29/2024	05/29/2025	EACH OCCURRENCE: \$1,000,000.00
	DAMAGE TO RENTED PREMISES (Ea occurrence): \$100,000.00					
						MED EXP (Any one person): \$10,000.00
						PERSONAL & ADV INJURY: \$1,000,000.00
						GENERAL AGGREGATE: \$1,000,000.00
						PRODUCTS - COMP/OP AGG: \$1,000,000.00
						\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/>					COMBINED SINGLE LIMIT (Ea accident): \$
						BODILY INJURY (Per person): \$
						BODILY INJURY (Per accident): \$
						PROPERTY DAMAGE (Per accident): \$
						\$
	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE: \$
						AGGREGATE: \$
						\$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below					<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.I. EACH ACCIDENT: \$ E.I. DISEASE - EA EMPLOYEE: \$ E.I. DISEASE - POLICY LIMIT: \$
A	Contractors Errors and Omissions	X	NXT47H7FFT-00-GL	05/29/2024	05/29/2025	Each Occurrence: \$10,000.00 Aggregate: \$20,000.00

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Certificate Holder is 360 Fire & Flood LLC. This Certificate Holder is an Additional Insured on the General Liability policy per the Additional Insured Automatic Status Endorsement. All Certificate Holder privileges apply only if required by written agreement between the Certificate Holder and the insured, and are subject to policy terms and conditions.

<b>CERTIFICATE HOLDER</b> 360 Fire & Flood LLC 22310 Telegraph Rd Southfield, MI 48033	<b>LIVE CERTIFICATE</b>  Click or scan to view	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
07/12/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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<b>PRODUCER</b> Summit Risk Advisors, LLC 650 Henderson Dr. Suite 407  Cartersville GA 30120		<b>CONTACT NAME:</b> Brent Bowman <b>PHONE (A/C, No, Ext):</b> (770) 386-7859 <b>E-MAIL ADDRESS:</b> brent@summitriskadvisors.com <b>FAX (A/C, No):</b> (678) 619-2110	
<b>INSURED</b> Workforce Restoration Services LLC 16 Branson Mill Dr NW  Cartersville GA 30120		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> NCCI <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES**                      **CERTIFICATE NUMBER: 712241**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$	
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$	
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$	
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) if yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	Y	N/A	51269652	07/13/2024	07/13/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  360 Fire & Flood LLC  22310 Telegraph Rd southfield MI 48033	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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## PROFESSIONAL SUMMARY

Skilled at completing daily assignments and contributing to team success. Willing to take on any task. Adapts quickly to new needs and policies, while consistently striving to improve skill sets and bring as much value as possible to every project.

## SKILLS

Project Planning

Vendor Sourcing

Project estimation and bidding

Customer Relations

Inventory Control

Residential construction

## EXPERIENCE

### Project Manager / Estimator

360 Fire & Flood, Southfield, Michigan , Jul 2023 - Current

- Manage risks by analyzing potential issues and implementing mitigation strategies.
- Ensure quality control by establishing standards and conducting regular reviews of deliverables against set criteria.
- Report regularly on progress towards key milestones ensuring transparency for all persons involved in process.
- Develop project plans outlining scope, goals, deliverables, resources, and timelines.
- Assign tasks to project team members and monitor progress to ensure timely completion.
- Implement lessons learned from past projects in order to continuously improve overall performance over time.

### Estimator

Advanced Property Restoration Services, Cartersville, Georgia, Oct 2018 - Jun 2023

- Presented cost estimates to clients in clear and concise manner during proposal meetings.
- Analyzed project specifications and blueprints to determine required materials and labor.
- Conducted site visits to assess existing conditions and potential issues affecting project costs.
- Participated in design review meetings to provide input on constructability and cost-effectiveness of proposed designs.
- Reviewed subcontractor bids for accuracy and completeness before incorporating them into overall project estimate.
- Assisted in development of change orders by providing updated cost information as needed.
- Created time, cost and materials estimates with thorough reviews of technical documentation.

## EDUCATION

Certification - Level 2

Xactimate

**Certification - WRT**

IICRC

**LANGUAGE**

**English**

Native

**Spanish**

Conversational

# Brian Fenton

bfenton@360fireflood.com | (734) 674-0802

## OBJECTIVE

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Results-driven Project Manager with over five years of experience in the property restoration industry. Proven track record in managing complex restoration projects from inception to completion, ensuring quality, safety, and client satisfaction. Seeking to leverage my expertise in project management, team leadership, and problem-solving to contribute to a dynamic restoration company.

## WORK HISTORY

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2020 to Current

### **Project Manager**

#### **360 Fire & Flood – National**

- Oversee and manage multiple residential and commercial restoration projects simultaneously, from initial assessment to final completion.
- Coordinate with clients, insurance adjusters, subcontractors, and internal teams to develop project plans, timelines, and budgets.
- Conduct thorough site inspections to assess damage, scope of work, and resource requirements.
- Monitor project progress, ensuring adherence to schedules, budgets, and quality standards.
- Implement effective risk management strategies to address potential issues and mitigate project delays.
- Lead weekly project meetings to review progress, address challenges, and align team efforts.
- Prepare detailed project reports and documentation for clients and stakeholders.

2014 to 2020

### **Carpenter**

#### **Interstate Restoration – Southfield, MI**

- Lead carpenter on various residential and commercial restoration projects, specializing in structural repairs, framing, and finish carpentry.
- Collaborate with project managers, contractors, and clients to assess damage and develop restoration plans.
- Perform demolition, repair, and installation tasks, ensuring compliance with building codes and safety regulations.
- Train and supervise junior carpenters and apprentices, providing guidance on best practices and quality standards.
- Maintain detailed records of work completed, materials used, and time spent on each project.

2012 to 2014

### **Carpenter/Painter**

#### **Statewide Disaster Restoration – Southfield, MI**

- Assisted in the restoration of properties damaged by fire, water, and natural disasters.
- Conducted inspections and assessments to determine the scope of work required for each project.
- Executed a variety of carpentry tasks, including cabinetry, trim work, and custom woodworking.
- Collaborated with other trades such as electricians, plumbers, and painters to ensure seamless project completion.
- Implemented effective solutions to address unexpected issues and challenges during restoration.

## EDUCATION

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- High School Diploma

*References available upon request*

# Cory Dean Merck

Azle, TX 76020

[corymerck@gmail.com](mailto:corymerck@gmail.com)

817.932.8320

## Work Experience

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### **National Project Manager -**

360 Fire & Flood - Southfield, MI

August 2024 to Current

- Manage projects on site and remotely with contracts of \$5,000 - \$400,000 dollars.
- Responsible for all communications to the client and other parties associated with loss.
- Work with approved Subcontractors to understand, develop, and execute a Scope of Work.
- Develop and Analyze the Scope of Work and the Budget based on actual conditions.
- Evaluate the need for Change Orders and provide them to Owners.
- Prepare reports, documentation, and other job-related administrative documents.
- Arrange and obtain permits as needed depending on the project Scope of Work.
- Work with Subcontractors to resolve problems as discovered.
- Invoice and create all billing documents for projects managed.

### **Project Manager - CORE**

First Onsite - Fort Worth, TX

December 2021 to August

2024

- Handle between 20-45 open projects with contracts from \$2,5k up to \$300k dollars.
- Responsible for all communications to the client and other appropriate parties.
- Develop and Analyze the Scope of Work and the Budget based on actual conditions.
- Solicit, receive, and approve proposals from Subcontractors to perform work.
- Evaluates need for Change Orders to Owners and Subcontractors
- Prepare reports, documentation, and other job-related administrative documents.

### **Territory Manager**

BSN Sports-Farmers Branch, TX

January 2018 to December

2021

- Manage 10-15 Outside Sales Pros and their respective client list
- Provide Bids/Quotes for facility improvements based on budgets
- Follow up on progress of orders once completed to confirm delivery by deadlines

## Education & Certifications

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### **Tarleton State University**

Businesses Management - Stephenville, TX

**TWIC - Transportation Worker Identification Credential - Expires Sept. 2029**

## **Xactimate Level I & II**

### **IICRC**

WRT Certified - Water Damage Restoration Technician

FSRT Certified – Fire and Smoke Damage Restoration Technician

OCT Certified – Odor Control Technician

## **Skills**

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- Microsoft Office Suite (Word, Excel, Power Point and Outlook)
- Sales Force
- SAP Software
- Profit & Loss Management
- Merchandising
- Project coordination
- Recruiting
- Budgeting
- Project Management
- Training & development
- Team management
- Project planning
- T&M Pro

## **DANIEL WICKER, CSP**

8693 Southern Glen Drive  
Jacksonville, Florida 32256

904-476-8834 Mobile

wickcar@gmail.com

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### **SUMMARY**

United States Navy veteran and Certified Safety Professional (CSP) with more than 25 years of experience in all areas of safety, hazard reduction, and risk management. Trained educator with a BS in Work Force Education and Development. Safety experience includes government, education, public service, healthcare, general and heavy construction, industry services, sales, and landscape. Proven experience working as a part of a safety team to identify safety requirements; implement methods to comply with local, state, and federal regulation; and educate stakeholders on their responsibilities.

### **PROFESSIONAL EXPERIENCE**

#### **Life Care Services, Des Moines, IA**

##### **Sr. Environment Health and Safety Manager**

**2020-Present**

Life Care Service owns, manages, or operates 140 senior living properties nationally with an annual revenue of 2.5 billion a year. This position reports to the Corporate Safety Director and requires 50% travel. As the Sr Environmental Health and Safety Manager, I managed the safety and emergency preparedness for 13 Continuous Care Retirement Communities (CCRC) operating in 5 states. This included quarterly site visits to review operations for risk and hazard control, management of large loss property insurance claims, and preparation/response/recovery for severe weather during the Atlantic hurricane season.

- Managed the response, mitigation, and reconstruction for 5 major property insurance losses totaling 36MM.
- Successfully lead the Life Safety efforts for 9 properties to complete Joint Commission accreditation in 2022.
- Managed the successful completion of 23 arc flash and infrared scans totaling 800K.

#### **YELLOWSTONE LANDSCAPE, Jacksonville, FL**

##### **Regional Safety Auditor**

**2019-2020**

Yellowstone Landscape is a national commercial landscape contractor that has 31 branches operating in 7 states, averaging \$250 million in sales annually. This position reports to the Vice President of Education and Learning and is required to travel 50% of the time. As the Regional Safety Auditor, I conduct quarterly safety audits and manage the day to day safety operations for 17 branches on the east coast. This included quarterly branch safety audits, coaching branch leadership on the day to day management of safety and risk hazards, management of worker compensation and auto losses, and management of the Regional Safety Committee.

- Developed and implemented a comprehensive Fleet Management Policy
- Managed an OSHA reportable heat stress event with no citations or fines. This event required a total re-write of the companies heat stress policy as well as the development of a heat acclimatization program to manage new hires with little to no experience working in the heat.

#### **HD SUPPLY FACILITIES MAINTENANCE, Atlanta, GA**

##### **Safety and Compliance Consultant**

**2015-2019**

HD Supply is a national maintenance, repair, and operation (MRO) distributor with 1200 sales professionals averaging 1 billion in sales annually. This position reported to the Vice President of

National Accounts and was required to travel 50% in support of national operations. Provided safety subject matter expertise to internal sales team and provided solution base support to external business partners and stakeholders.

- Managed \$24MM in business solutions educating HD Supply professionals on safety regulation processes impacting the maintenance industry, which they used as a sales tool.
- Developed and managed training curriculums used to certify maintenance professionals in acceptable building conditions required to receive state and federal funding.
- Developed a response solution for a multi-site construction company that addressed 4 OSHA citations with a total impact of \$400K.
- Represented HD Supply as an industry expert on the Federal Life Safety Committee for the American Healthcare Association (AHCA) from 2015 – 2019. Co-author a national fire door inspection tool currently used by American Health Care Association.

### **ICON, St. Augustine, FL**

**2012-2015**

#### **Corporate Safety and Health Manager**

ICON is a multi-state industry services contractor that provides shut down and maintenance for hire. Reported to the Chief Executive Officer and was required to travel 50% of the time. Managed all safety and health operations for a multi-site/multi-divisional contractor in Florida and Pennsylvania that provides industrial services to the paper and pulp industry.

- Recruited, hired, and managed 3 Safety Specialists to support travel shut down operations in Florida and Pennsylvania.
- Designed and implemented a purchasing system resulting in a 53% savings annually for safety consumables.
- Developed a Corporate Health and Safety Program that ensured training was meaningful; documentation was understandable, and accessible by all employees, leadership, and regulatory agencies.

### **BATSON-COOK, Jacksonville, FL**

**2010-2012**

#### **Site Safety Manager**

Batson-Cook is a national general contractor specializing in high rise and marine construction. Reported to the Corporate Safety Director and the Site General Superintendent. Responsible for the monitoring and evaluating all safety for a \$100MM-12 story hospital addition at Baptist Medical Center in Jacksonville, Florida. Responsibilities included the development and implementation of safety policies, procedures, accident prevention and education to meet Batson-Cook's business requirements while ensuring compliance with local, state and federal regulations.

- Project received OSHA Sunshine State Safety Recognition Award in 2011.
- Reportable incident rate of less than 1% in 2011.
- Received, stored and distributed 800 deliveries in a 9-month period with zero incidents.

### **ST. VINCENT'S MEDICAL CENTER, Jacksonville, FL**

**2009-2010**

#### **Health & Safety Specialist**

St Vincent's Medical Center is a full-service hospital with 508 beds and 2,900 employees. Reported to the Chief Operating Officer. Responsible for all safety, emergency preparedness, and environmental operations to ensure compliance with local, state, and federal regulations.

- Safety and Emergency Preparedness Program Manager for successful completion of Joint Commission and two American Health Care Agency accreditation surveys.
- Obtained and managed \$118,000 of grant funds from the Department of Health for emergency preparedness.

**UF & SHANDS HOSPITAL, Jacksonville, FL****2005 - 2009****Life Safety Specialist**

Shands Medical Center is a full-service hospital with 1100 beds and 3,500 employees. Reported to the Safety Manager and was charged with two area of safety, hazardous materials disposal and Fire Safety (Life Safety) equipment maintenance and operation

- Life Safety Program Manager for two successful Joint Commission and three American Health Care Agency surveys.
- Designed and implemented new physical assessment format that incorporated a scoring tool, improving response and documentation of fire safety deficiencies for a 44-acre campus.
- Implemented web based MSDS program that modernized hazard communication and reduced annual labor hours by one half.
- Implemented and managed 10 interim life safety measures for \$9.5MM of hospital renovations and updates.

**CITY OF JACKSONVILLE, FL****2004 - 2005****Public Works Department****Safety Officer**

The City of Jacksonville Public Works Department had 800 employee and operated 250 vehicles in support all city provided services. Reported to the director of Public Works. Accountable for all safety and environmental operations to ensure compliance with local, state and federal regulations to ensure operations were in the best interest of the City of Jacksonville strategic and operational needs.

- Managed 9 safety representatives
- Managed traffic operations for Public Works during Super Bowl XXXIX.
- Completed life safety inspections on 300 public buildings which included 16 production and distribution sites in preparation for insurance carrier change.

**FLORIDA COMMUNITY COLLEGE, Jacksonville, FL****2003 - 2004****Military Education Institute****Instructor & Safety Officer**

Military Education Institute provides contracted education to all branches of the US Military. Ensured all safety procedures were understood and followed during high risk instruction.

- Responsible for training and supervision of 850 active duty military personnel in 35 classes.
- Supervised 11 instructors in all safety matters.
- Conducted risk and hazard assessments on all instruction which included rappelling, firefighting, use of deadly weapons, and hand to hand combat.

**UNITED STATES NAVY, Jacksonville, FL****1996 - 2003****1<sup>st</sup> Class Petty Officer E6**

First Class Damage Controlman, Surface Warfare Specialist. Served as a responding fire fighter and general repair technician on the USS Samuel Elliot Morison. Instructor for confined space operations and a full functioning fire-fighting school at Fleet Training Center Mayport.

- Selected as Sailor of Year USS Samuel Elliot Morison 1998
- Top Secret Clearance
- Selected as Instructor of Year Fleet Training Center Mayport 2002

**EDUCATION**

B.S. Workforce Education - Southern Illinois University

A.A. General Studies - Florida Community College

**MEMBERSHIPS/PROFESSIONAL ASSOCIATIONS**

Certified Safety Professional (CSP), Certified Site Safety and Health Officer (SSHO), Certified Health Safety Professional (CHSP), Emergency Medical Technician, Department of Labor Journeymen Firefighter

**TRAINING AND DEVELOPMENT**

Site Safety and Health Officer (Federal Installations), OSHA 511 – Construction Industry, OSHA 500-Outreach Instructor, 40-hour NFPA Life Safety, Safe Start Instructor, 40-hour Hazardous Material Operations, First Aid and CPR Certified, Microsoft Suite proficient

# George Rausch

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Spring, TX 77388 - (713) 438-5649 - georger36@gmx.com

## Summary

Traveling, Large- Loss, Disaster-Restoration Project Manager with experience managing complex, multi-million-dollar projects. Focus on efficiency, quality, and meeting budget expectations. Expertise in cost-estimation negotiations for projects at various levels. Strong communication skills and knowledgebase, leads to successful relationship management with Adjusters, Clients, and Subcontractors.

## Skills

- Effective Time-Management, Communication Skills, and Leadership ability
- Effective Budgeting and Cost Management of projects
- Licensed Mold Contractor in the State of Texas
- Well versed in Xactimate, Microsoft Office, Internet, and Email
- Knowledge of interpreting Blueprints
- Open to National Travel
- OSHA 30 Hour Certification

## Experience

360 Fire & Flood

June 2023 to PRESENT

**National Project Manager/Estimator**

Southfield, MI

- Manages Large mitigation & reconstruction Project
- Xactimate literate. Provide direction though scope and pricing.
- Travels nationally
- Responsible for mitigation plan through to reconstruction for Fire damage, water mitigation mold remediation.

Paul Davis of Greater Houston

June 2020 to June 2023

**Commercial Project Manager/Estimator**

Houston, TX

- Manages all large reconstruction and losses (residential and commercial) over \$30K.
- Xactimate literate (Reading & Writing)
- Largest reconstruction project managed was \$5M (a Beverage Facility)
- Works locally and travels nationally

Mooring USA

October 2018 – June 2020

**Commercial Large Loss Project Manager**

Houston, TX

Renovate Now

June 2017 – August 2018

**Commercial Large Loss Project Manager**

Houston, TX

- Maintained close working relationship with clients from beginning through completion of projects.
- Execute all functions of contract between client and company.
- Managed the selection of subcontractors and trade contractors to complete specific pieces of the project.
- This included everything from structural and plumbing to painting and flooring.
- Determined the labor requirements, including hiring and dismissal of workers.

- Watched over all trade contractors to ensure quality workmanship and that project is completed on time.
- Provide Estimates and Change orders.

Akairi Energy & Construction

June 2016 May 2017

**Commercial Project Coordinator**

Houston, TX

- Maintained a close working relationship with client from beginning through end of projects.
- Dealt with Building Manager, Property Owners, Property Managers, and Insurance Adjusters.
- Supervised the selection of subcontractors and trade contractors to complete specific pieces of the project.
- Watched over all trade contractors to ensure quality workmanship and that project is completed on time.
- Wrote estimates and provided change orders for projects.

Nobe Nash Inc

August 2014 – June 2016

**Construction Project Management**

Houston, TX

- Maintained a close working relationship with client from beginning through end of projects.
- Dealt with Building Manager, Property Owners, Property Managers, and Insurance Adjusters.
- Supervised the selection of sub-contractors and trade contractors to complete specific pieces of the project.
- Watched over all trade contractors to ensure quality workmanship and that project is completed on time.
- Wrote estimates and provided change orders for projects.

B Bell Builders

May 2013 – August 2014

**Commercial General Superintendent**

Sugar Land, TX

- Managed multiple projects.
- Maintained relationships with client, property managers, and subcontractors.
- Performed all aspects of safety supervisor for all projects.
- Watched over all trade contractors to ensure quality of workmanship, safety of project and completion of scope on time.

Westmoreland Builders, LLC

May 2012 – January 2013

**Commercial General Superintendent**

Sugar Land, TX

- Maintained a close working relationship with client from beginning through end of projects.
- Dealt with Building Manager, Property Owners, Property Managers, and Franchise Managers
- Managed the selection of sub-contractors and trade contractors to complete specific pieces of the project.
- Watched over all trade contractors to ensure quality workmanship and that project is completed on time.
- Hire contract for Domino's test renovations.

Cotton Company

February 2008 – January 2012

**National Construction Project Manager**

Grapevine, TX

SCS General Contracting, Inc.

April 2006 – December 2007

**National Construction Project Manager**

Cleveland, TX

Cotton Company

September 2005 – March 2006

**Restoration Project Manager**

Houston, TX

United Parcel Service

November 2003 – September 2005

**Preload Supervisor**

Houston, TX

## **Education and Training**

**Spring High School** – Graduate – General Studies - January 1985

**Stephen F. Austin State University - Business Administration** – Nacogdoches, TX

# James Novak

## Construction Management

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James Novak  
Jupiter, FL 33458  
(586) 339-4117  
cerconinc@yahoo.com

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### Summary of Qualifications

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Results-oriented construction manager professional with over 30 years of experience managing multi-million dollar projects.

- Expertise in coordinating trades, developing relationships, and building positive rapport with architects, engineers, local officials, vendors, and clients
- Versed in job operations, project estimating, impending design problems, documentation preparation, building code and regulations, material purchasing, scheduling and organizing trades, and site management through certification of occupancy.

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### Experience

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**Construction Project Management Consultants / Project Manager, Disaster Reconstruction, New Construction Luxury Homes, Commercial Tenant Build Outs/ Residential Improvements**

2018 - PRESENT, JUPITER, FL

**PROJECTS** / Luxury Home new construction, Multi-family new construction, townhomes, medical offices, and disaster restoration (Hurricanes Michael/Dorian)

- Responsible for organizing and coordinating all subcontractor trades, crews, vendors, inspectors, and deliveries on site
- Control all budget affairs and costs at all times, often exceeding profit projections on job sites
- Work simultaneously with adjustors, estimators, and support staff from origination through completion
- Responsible for ensuring full coverage of job scope

**BRC Restoration, Heritage Insurance Company (NYSE) / Project Manager, Disaster Reconstruction/Insurance Repairs**

2016 - 2018, DELRAY BEACH, FL

**PROJECTS** / Disaster renovations prior to and following Hurricane Irma

- Project manage multiple projects of multi-family, residential, and commercial insurance loss jobs across South Florida
- Responsible for the execution and scheduling of multiple trade and vendors to ensure project timeline and budget were met
- Maintain a significant, healthy, and professional client-contractor relationship
- Provide estimation information to ensure full coverage of job scope

**Cannatelli Builders, Inc. / Project Manager, New Construction**

2012 - 2016, POMPANO BEACH, FL

**PROJECTS** / National commercial tenant build-outs including Jimmy John's and Sola Salons; South Florida luxury housing

- Project future planning and positioning for job establishment/completion
- Project manage multiple projects of high-end luxury homes/renovations – start to finish across South Florida
- Control all budget affairs and costs at all times, often exceeding profit projections on job sites
- Promote safe and clean working environments on all job sites

**Signal Building Co. / Project Manager**

2006 -2011, TROY, MI

**PROJECTS** / Tenant improvements and disaster repair of commercial and residential structures

- Manage initial walk through of job sites in order to assist estimators in the preparation of the job/budget scopes
- Maintain total responsibility of the overall job/budget scope, once the project commences
- Responsible for the execution and scheduling of multiple trade and vendors to ensure project timeline and budget were met
- Maintain constant communication with office, insurance companies and customer/tenant clients

**Ceramic Concepts, Inc. / Owner**

1988 -2006, DETROIT, MI

**PROJECTS** / Construction improvements across the Midwest and East Coast United States - Borders' Bookstores, Walmart's, and Best Western Hotels

- Own and manage a construction/remodeling firm that serves the commercial, residential, and disaster repair construction
- Project managed after Hurricane Andrew multi-family residential properties & commercial properties. Responsible for the build-back process, procuring materials & trades for the rebuilding.
- Handle sales and promotional efforts, assist in defining and designing all construction needs, purchase all materials and schedule necessary trades.
- Responsible for all administrative and production related tasks required to run a full scale construction/remodeling firm
- Member of Local 687 Carpenters Union

**Skills**

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Expertise in job operations, project estimating, impending design problems, documentation preparation, building code and regulations, material purchasing, scheduling and organizing trades, and site management through certification of occupancy.

- EPA Lead Certified | EPA Mold Certified | Local 687 Carpenters Union - Detroit | 30 + Years' Experience

# JASON HOUP

Cartersville, GA 30120 | (678) 882-5683 | jhoup@360fireflood.com

## Skills

- Disaster Restoration Projects
- Construction/Demolition Projects
- Site Safety/OSHA Compliance
- Change Order Management
- Budgeting & Cost Controls
- Subcontractor/Crew Supervision
- Environmental Remediation Projects
- Infrastructure Improvement Projects
- QA/QC/Field Engineering
- Commercial Roofing
- Bidding/Estimating/Proposals
- Structural Repairs

## Professional Summary

Accomplished Executive with a 30-year record of success overseeing all phases of multimillion-dollar mitigation, remediation, restoration, new construction, infrastructure, and environmental projects for government and private-sector clients. Backed by strong credentials and a proven history of on-time, on-budget and high-quality project completions.

## Work History

### Vice President of National Operations

Jul 2023 - Current

360 Fire & Flood LLC

Southfield, MI

- Responsible for overseeing National Team of Project Managers for Government, Multi-Family, Senior Living and Commercial Properties for losses sustained nationwide from fire, wind, water and mold.
- Organized restructuring initiatives, streamlining operations and reducing overhead costs.
- Aligned organizational objectives with company mission to increase business growth and integrate work strategies.
- Hired and managed 12 new team members during 1st year to support business growth.

### President

Jul 2008 - Jul 2023

Advanced Property Restoration Services

Cartersville, GA

- Responsible for the acquisition and management of restoration projects directly related to damages sustained by fire, wind, water and mold damage.
- Projects include residential, multi-family, commercial and government sites to include storm debris removal, demolition, mitigation and reconstruction.

### Owner

Jul 2016 - Aug 2021

SITEWORX Contracting LLC

Cartersville, GA

- Responsible for procuring new projects for the company and managing each project from start to finish
- Performed multiple major renovation and capital improvement projects all over the Southeastern US on Government Housing Projects to include demolition, renovations, new construction, concrete and site utilities.

## **Owner**

Aug 2004 - Jul 2008

Construction Management Services & Restoration

Cartersville, GA

- Operated as a disaster restoration company in Florida after 2004 Hurricanes and worked in Mississippi and Louisiana after Katrina in 2005
- Provided 350+ personnel to large disaster restoration companies to perform everything from initial clean-up to complete reconstruction
- Rebuilt and re-roofed multiple projects to include several apartment complexes, condominium buildings, commercial offices, banks and hospitals.

## **Licenses & Certifications**

Florida Certified General Contractor

Florida Certified Roofing Contractor

Florida Mold Remediator

Louisiana Building Contractor

Louisiana Residential Contractor

Louisiana Mold Remediation

Georgia General Contractor - Unlimited

IICRC Fire Restoration

IICRC Water Restoration Technician

IICRC Smoke & Odor Technician

IOT - Certified Mold Professional

## Jason Glaser

6086 Harbour Greens Dr, Lake Worth FL 33467

561-913-1050

JayGlaser@usa.com

### Objectives

To obtain a position that will enable me to use my strong organizational skills, experience, and ability to work well with people to achieve long-lasting relationships in an organization.

### Experience

#### 360 Fire & Flood

Date of Employment: (May 2023 – Present)

#### General Manager Florida

- Manage day to day business flow and operations
- Responsible for hiring, training, and providing all team members with tools to succeed.
- Manage P&L, budgets, procurement of materials and equipment
- Train and manage sales team and grow the customer base and margins.
- Responsible for the condition of all equipment in the warehouse
- Build relationships with key people in the industry
- Work with estimators and ensure budget is attainable
- Responsible for the safety of the team.

#### Cotton Commercial USA

Date of Employment: Dec 2019 – May 2023

#### National Project Coordinator (Dec 2019 – May 2023)

- Provide initial contact to potential customers when they experience a restoration loss
- Build ROM (Rough Order of Magnitude) and SOW (Scope of Work) for each project
- Provide estimate for projects and budget numbers for time and material (T&M) projects
- Responsible for approving timecards for hourly teammates
- Manage budgets and P&L
- Provide quarterly and annual reviews with coaching
- Prospect new clients and attend sales meetings

#### National Senior Project Manager/Branch Manager

- Manage budget and create scope of work for multiple commercial restoration projects
- Mentor junior personnel in best practices for all type of restoration projects
- Write reports and keep the customer updated daily on the progress of the project and completion
- Meet with adjuster's and develop scope of work to bring the building back to pre-loss condition
- Manage personnel in the office when not working on a project
- Responsible for the condition of all equipment in the warehouse

- Build relationships with key people in the industry
- Work with estimators and ensure budget is attainable
- Responsible for the safety of the team.
- Build and manage the schedule for each project
- Communicate job progress to the customer and upper management
- Responsible for company credit card and fuel card, as well as company computer and other electronics
- Travel to large losses throughout Florida and the country to meet customer needs

## **Ultimate Restoration**

Date of Employment: Feb 2018-Nov 2019

### **Construction Project Manager**

- Oversee all aspects of the construction project management
- Maintain a high level of customer service with homeowners and business owners
- Continually monitor and report on the progress of each project's plan and budget
- Quickly identify issues and risks, then take corrective action to mitigate them
- Build schedules with Microsoft Project and Smart Sheet/Gantt style formats
- Visit projects multiple times a week to ensure quality of craftsmanship
- Make detailed lists of open or "punch" items with clients
- Create change orders for items outside of the scope of work
- Responsible for procurement of products and inventory management
- Responsible for all large loss renovations on commercial and residential projects
- Currently managing over 3.5 million in projects
- Manage sub-contractors and solicit new subs for projects

## **Renovation Systems-Enhancement Division**

Date of employment: Jan 2017-Feb 2018

### **Project Manager**

- Oversee all aspects of the construction project management up to 20m
- Maintain a high level of customer service
- Continually monitor and report on the progress of each project's plan and budget
- Quickly identify issues and risks, then take corrective action to mitigate them
- Build schedules with Microsoft Project and Smart Sheet/Gantt style formats
- Visit projects multiple times a week to ensure quality of craftsmanship
- Make detailed lists of open or "punch" items with clients
- Create change orders for items outside of the scope of work
- Responsible for procurement of products and inventory management

## **Service Master/Superior Construction, Eagan MN**

Date of Employment: May 2015-Jan 2017

### **Project Manager/Estimator**

- Build relationships with insurance adjusters and other businesses in our market
- Provide an initial inspection with the customer and go over the scope of work
- Meet with technicians and give them the information of what they will need for the job
- Build an estimate of the scope of work and send to the adjuster for payment
- After mitigation is complete meet with customer to discuss the repairs
- Meet with the adjuster to negotiate the repair estimate and come to an agreed price
- Meet with sub-contractors and collect bids to perform work
- Meet with in house carpenters to schedule the work we can do in house
- Explain the estimate to the insured and what will be done to get them back to pre-loss condition
- Discuss any change orders or upgrades the customer wants and provide estimates
- Put the estimate with the adjuster and change orders together for a final working estimate
- Collect down payment and manage the project until finished

## **Belfor Restoration, Shakopee MN**

Date of Employment : Apr 2013-May 2015

### **Project Manager/Estimator**

- Estimate projects using Xactimate
- Meet with customers and provide initial estimate and discuss the process and scope of job
- Meet with insurance adjusters to ensure they are providing enough funds to complete project
- Meet with sub-contractors and get bids for the project
- Build the schedule of the project and go over with insured
- Negotiate the final estimate with adjuster and discuss all sub-contractor bids
- Manage the project to stay on time and budget
- Prepare the file for the final invoice to the customer/adjuster
- Meet with customer and collect final payment

### **Education and accreditations**

- BS in Criminal Justice from Rasmussen College in Lake Elmo, MN
- IICRC Certification for Water Mitigation, Fire Restoration, Commercial Drying Specialist
- Certified Mold Assessor/Certified Mold Restorer
- DOT Certified
- OSHA Certification, 30 hour 10 hour

### **Additional information**

- US Navy 1992-2013 Chief Petty Officer
- Squad leader
- Training and supervision of 100's of troops to prepare for combat missions.

# Jeremy David

5 W Camino Rancho Viejo

jdavid@360fireflood.com

520-664-6837

## Work Experience

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### **Water Mitigation Tech** -

Servpro of South Tucson and

Green Vally - Tucson, AZ

September 2016 to September

2021

- Extract standing water and set drying equipment to dry out structure in a timely manner.
- Repair damaged areas in a timely manner.
- Organize shop and keep inventory of supplies.

### **Project Manager**

- Advanced Property Restoration

Services - Atlanta, GA

September 2021 to June 2023

#### **Project Manager**

- Overseen a multi-million-dollar mitigation job.
- Overseen a high-profile asbestos abatement.
- Organize supply container

### **Project Manager**

- 360 Fire & Flood - Southfield, MI

September 2023 to Present

#### **Project Manager**

- Over see mitigation jobs and complete repairs in a timely manner.
- Order materials for Reconstruction jobs.
- Coordinate with sub-contractors to complete job.

## Education & Certifications

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### **School / University**

Pueblo Magnet High school

High School Diploma

August 2004 - May 2008

### **IICRC**

WRT Certified - Water Damage Restoration Technician

Asbestos Contractor/Supervisor

OSHA 30

## Skills

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- Microsoft Office Suite (Word, Excel, Power Point and Outlook)
- Project Management
- Team management
- Organization
- Problem solving

# Joseph J Beck, Jr

## Experience

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### **360 Fire & Flood** – July 2024 to Present

Detroit, Michigan

- National Project Manager overseeing rebuild in water and fire damage restoration

### **APRS** – June 2019 to June 2024

Cartersville, Georgia

- Superintendent overseeing all phases of rebuild
- 

### **Self-Employed Home Remodeling** – August 2018 to June 2019

- General construction including flooring, dry wall installation, framing, window and door installation, siding, gutters, concrete, tiling, and other home repairs
- 

### **Siteworx Contracting, LLC** – April 2017 through August 2018

Adairsville, Georgia 678-882-5683

- General construction including flooring, dry wall installation, framing, window and door installation, siding, gutters, concrete, tiling, and other home repairs
- 

### **Yash Construction** – November 2016 through March 2017

Cherry Hill, New Jersey 609-755-0305

- General construction including flooring, dry wall installation, framing, window and door installation, siding, gutters, concrete, tiling, and other home repairs
- 

### **The Gutter Guys** – 1994 through February 2016

Moorestown, New Jersey 800-488-8371

- Supervisor for seamless gutter, vinyl soffit and fascia installation
  - Training of new employees
  - Follow-up sales calls
- 

## Accomplishments and Certifications

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- OSHA-30 Certified
- IICRC Certified in Water Damage Restoration and Applied Structural Drying
- United States Army Reserve – Honorable Discharge 1999
- High School Diploma – Collingswood High School 1992

# MICHAEL CATER

Panama City Beach, FL 32407

m.cater@ymail.com

706-300-9525

## EXPERIENCE

July 2024 – Present

**Sr. NATIONAL PROJECT MANAGER, 360 FIRE & FLOOD**

I manage all my projects, boots on the ground from initial incident to completion taking care of mitigation, microbiological cleaning and drying as well as build back.

MAY 2019 – JULY 2024

**NATIONAL PROJECT MANAGER, BLUSKY RESTORATION CONTRACTORS LLC.**

I have the pleasure to run all projects assigned from cradle to grave. I am utilizing my 30-year diverse construction background to successfully complete my projects on time and under budget.

MAY 2018-APRIL 2019

**SR. PROJECT MANAGER, DI CONSTRUCTION INC.**

Built 2 hotels for this company in 11 months. Marriott Courtyard Grand Prairie, TX 1 & Woodspring Suites Savannah, Georgia.

APRIL 2017- MAY 2018

**SR. PROJECT MANAGER, SALISBURY MOORE INC.**

Renovated 5 Courtyard by Marriott's & 2 Residence Inn's.

OCT 2015 – MARCH 2017

**SR. PROJECT MANAGER, COLDSRING INC.**

Managed and built 2, 10-million-dollar granite mausoleums, 10 Columbarium's and set many granite monuments throughout the country.

AUG 2011 – SEPT 2015

**SR. PROJECT MANAGER, RCI BUILDERS INC.**

Built 5 hotels for this company in the greater Miami area of Florida.

MAY 1997 – JUNE 2011

**VICE PRESIDENT, HOSPITALITY SPECIALISTS INC.**

Hotel renovation company where I delivered more than 160 Property Improvement Plans/Renovations

## EDUCATION

### JUNE 1990 TO PRESENT CONTINUING EDUCATION

Over 200 hours of certificate courses in means and methods of complex construction materials and procedures.

### OSHA 30 CPR CERTIFICATION HAS-MAT CERTIFICATION

## SKILLS

Successfully managed as Senior Project Manager, 12 renovation projects simultaneously. I was responsible for first and second place, out of 80 Renovations, for least guest displacement. All projects were completed on time and at budget.

Strong hands-on knowledge on construction means and methods.

Team player offers support to colleagues and cost saving alternatives to clients and contractors.

Utilizing skill set to properly execute contracted services to realize contract obligations, minimize liabilities.

Creative thinker.

Time management skills.

MS Project, Pro Core, PSA, Quick Books, MS Office, JD Edwards, Oracle.

Successfully negotiated multiple 1-to-20-million-dollar construction and renovation projects across the Country.

Know for fierce negotiation skills.

Strong knowledge of structural support and load bearing as well as tensile strengths.

Strong roofing acumen.

Respect driven leader.

Clear communicator.

Proven leader.

Exceeds expectations.

Strong analysis skills.

## PROJECT LIST

### **Candlewood Suites**

Irvine, CA 2.2 m  
Lake Forest, CA 2.2 m  
Anaheim, CA 2.2 m

### **Comfort Inn & Suites**

Dover, DE 1.6 m  
Glasgow, KY 2.2 m  
Solomon, MD 1.7  
Fayetteville, NC 1.1 m  
Chambersburg, PA 895 k  
New Castle, PA 1.3 m  
Alexandria, VA 895 k  
Culpepper, VA 1.5 m  
Rocky Mount, VA 1.3 m  
Morgantown, WV 950 k  
Princeton, WV 1 m  
Ft. Wayne IN 1.3 m  
Lafayette, IN 1.2 m  
Louisville, KY 1 m

### **Courtyard by Marriott**

Huntsville, AL 1.5 m  
Wilmington, DE 900 k  
Scranton, PA 890 k  
Tampa, FL 1.3 m  
Syracuse, NY 1.2 m  
Mahwah, NJ 1.3 m  
Newport Jersey City, NJ 1.1 m  
Grand Praire, TX 16.4 m  
Mt. Laurel, NJ 1.6 m  
Panama City, FL 1.5 m

### **Days Inn**

Ashland, KY 1 m  
Glaskow, KY 1.3 m  
Bossier City, LA 1.5 m  
Shreveport, LA 2.2 m  
Alexander, VA 1 m  
North Fredericksburg, VA 1.4 m  
South Fredericksburg, VA 1 m

### **Embassy Suites**

San Diego, CA 3.4 m  
Philadelphia, PA 2.75 m  
Philadelphia, PA 2 m

### **Tara Inn & Suites**

Jonesboro, GA 1.5 m

### **Extended Stay America**

Hillsdale, IL 795k  
Lombard, IL 1 m  
Napierville, IL 745 k  
Alexandria, VA 750 k  
Centerville, VA 900k  
Chantilly, VA 1.3 m  
Chantilly, VA 1.5 m  
Fairfax, VA 1.3 m  
Fairfax VA 1.5 m  
Tysons Corner, VA 800 k  
Springfield, VA 765 k  
Bothell, WA 700 k  
Renton, WA 800k  
Tukwila, WA 1.75 m  
Tukwila, WA 230k

### **Fairfield Inn & Suites**

Laurel, MD 2.1 m  
Mt. Laurel, NJ 2 m  
Bethelhem, PA 2.2 m  
Oakhurst, CA 18 m

### **Guesthouse Inn & Suites**

Jackson, TN 875 k

### **Hilton Garden Inn**

Queesns, NY 3 m  
Shelby, NC 2 m  
Cary, NC 3 m

### **Hampton Inn**

Pittsburgh, PA 2.3 m  
Philadelphia, PA 1 m  
Oakhurst, CA, 15 m

### **Holiday Inn Express**

Oakhurst, CA 19 m  
Danville, KY 900k

### **Ramada**

Ellington, FL 700 k

### **Radisson**

Warwick, RI 5 m  
Baltimore, MD 4.2 m

### **Savanah Suites**

Atlanta, GA 800 k  
Augusta, GA 795 k  
Chamblee, GA 500 k  
Jonesboro, GA 500 k

Jonesboro, GA 975 k	<b>Sheraton</b>
Stone Mountain, GA 750 k	San Diego, CA 5.6 m
Greenville, SC 650 k	Philadelphia, PA 4.2 m
<b>Historic Hotel</b>	<b>Homewood Suites</b>
The Georgian Terrace Atlanta, GA 3.1 m	Brickell, Miami, FL 16.5 m

Results oriented, driven lead management executive with demonstrated skills in successfully managing profit centers. Well versed in the areas of project management, strategic planning, budget development and sales management, staff selection. Effective in motivating, training, and building successful teams; success in designing innovative plans and business concepts. Excellent interpersonal skills. Develops strong plans and customer relationships.

# Preston Houp

31 Tolbert rd.

Rockmart, Ga 30153

phoup@360fireflood.com

470.598.9066

## Work Experience

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### **National Project Manager**

– 360 Fire & Flood - Southfield, MI

July 2023 to Present

- Managing mitigation and rebuild jobs
- Actively track budgets
- Communicate progress and concerns with clients
- Schedule subcontractors and order materials
- Write estimates using Xactimate

### **Mitigation Technician**

– Advanced Property Restoration

Services – Cartersville GA

April 2022 to July 2023

- Moisture mapping
- Equipment tracking and monitoring
- Supervise labor crews

### **Production Associate**

– Honda Manufacturing –

Tallapoosa GA

October 2017 to April 2022

- Line supervisor and assembly production associate
- Respond to online associates needing assistance
- Opening and staging parts on assembly line
- Daily machine clearance tests
- Create rotating schedules for associates
- Lead daily meetings

## Education & Certifications

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### **IICRC**

WRT Certified - Water Damage Restoration Technician

Xactimate level 2 certification

## Skills

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- Microsoft Office Suite (Word, Excel, Power Point and Outlook)
- Project Management
- Training & development
- Team management
- Project planning

# Ryan McGlothlin

Address 716 W. 19<sup>th</sup> street  
Panama city Fl 32405

Email  
rmcglothlin@360fireflood.com

Phone  
850-319-0253

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## **NATIONAL Project Manager**

- 360 Fire & Flood - Southfield, MI  
October 2023 to Present

- Results-oriented National Project Manager with over [X years] of experience in leading mitigation and restoration projects across multiple regions. Expertise in managing large-scale projects, overseeing teams, and ensuring compliance with safety and environmental regulations. Proven ability to build client relationships, streamline operations, and drive project success in high-pressure environments.
- National Project Management
- Large Loss Mitigation & Restoration
- Strategic Planning & Execution
- Team Leadership & Development
- Budget Management & Cost Control
- Client Relationship Management
- Regulatory Compliance (EPA, OSHA)
- Risk Assessment & Mitigation
- Strong Communication & Negotiation Skills
- Certifications- AMRT, ASD, CDS, CPT, FSRT, HST, MRS, TCST, WRT, Twic card, OSHA 10-30, Xactimate level 1-2/ docusketch

## **Marine Construction Technician**

- RJ Gorman Marine Construction Panama City, FL  
January 2023 to October 2024

- Marine Construction Technician with over [2 years] of experience in marine infrastructure projects. Proficient in dredging operations, and marine equipment maintenance. Strong problem-solving skills and a commitment to safety standards. Excellent communicator with a proven ability to collaborate with diverse teams.
- Operate and maintain marine construction equipment for various projects, ensuring adherence to safety protocols and operational efficiency.
- Collaborate with engineers and project managers to interpret project specifications and develop execution plans.
- Conduct underwater inspections and repairs.
- Assist in dredging operations, enhancing navigable waterways while minimizing environmental impact.
- Supported marine construction projects by performing routine maintenance and repairs on construction machinery.
- Assisted in the installation of marine structures, including docks, piers, and retaining walls.

### **Service Technician/ Team Lead**

- Paul Davis Restoration - Panama City, FL  
October 2022 to December 2023

Results-driven Mitigation and Restoration Technician with over [7 years] of experience in managing restoration projects for commercial and residential properties. Expertise in water, fire, and mold mitigation, with a strong focus on quality, safety, and customer satisfaction. Proven ability to lead teams and coordinate with stakeholders to achieve project goals efficiently.

- Certifications- AMRT, ASD, CDS, CPT, FSRT, HST, MRS, TCST, WRT
- Damage Assessment & Documentation
- Environmental Compliance (EPA, local regulations)
- Restoration Project Management
- Hazardous Materials Handling
- Equipment Operation (e.g., dehumidifiers, extractors)
- Customer Relationship Management
- Team Leadership & Training
- First Aid & CPR Certified

### **Team Leader/ Technician**

- SERVPRO - Supreme Restoration - Panama City, FL  
April 2020 to October 2022

- Highly skilled Large Loss Mitigation and Restoration Technician with over [4 years] of experience in managing complex restoration projects for residential and commercial properties. Expert in water, fire, and mold mitigation, with a strong track record of minimizing damage and ensuring swift recovery. Proven ability to lead teams, communicate effectively with clients, and navigate insurance claims processes.
- Large Loss Mitigation & Restoration
- Damage Assessment & Reporting
- Water, Fire, and Mold Remediation
- Environmental Compliance (EPA, local regulations)
- Project Management & Coordination
- Equipment Operation (e.g., dehumidifiers, extractors)
- Customer Relationship Management
- Team Leadership & Training
- First Aid & CPR Certified
- Certifications- AMRT, ASD, CDS, CPT, FSRT, HST, MRS, TCST, WRT

## Education

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### **Gulf Coast State College**

Criminal Justice – Panama city , fl

### **IICRC**

WRT Certified - Water Damage Restoration Technician

FSRT Certified – Fire and Smoke Damage Restoration Technician

AMRT (Applied Microbial Remediation Technician)

ASD (Applied Structural Drying)

CDS (Commercial Drying Specialist)

CPT (Certified Property Technician)

FSRT (Fire and Smoke Restoration Technician)

HST (Health and Safety Technician)

MRS (Mold Remediation Specialist)

TCST (Trauma and Crime Scene Technician)

WRT (Water Damage Restoration Technician)

TWIC Card

OSHA 10-30

Xactimate Level 1-2 / DocuSketch

## Skills

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- Microsoft Office Suite (Word, Excel, Power Point and Outlook)
- Profit & Loss Management
- Merchandising
- Budgeting
- Project Management
- Training & development
- Team management
- Project planning

# Tara C. McC Carson

Chapin, SC 29036

Ph: 404-615-2265

Email: [taramccarson@gmail.com](mailto:taramccarson@gmail.com)

## **Skills**

- Commercial/ Government Construction
- Government Submittal Process
- Project Bidding and Estimating
- Time and Materials
- Project Planning and Scheduling
- Project Management
- Mitigation and Remediation Protocol
- Subcontractor Management
- Permitting and Inspection Process
- Material Purchasing and Management

## **Experience**

### **Regional Operations Manager**

**7/2023-Present**

#### **360 Fire and Flood**

- Responsible for day to day operations including but not limited to bidding projects, material purchasing and supervising construction and close out.
- Review and approved contractor invoices and vet vendor packets
- Pulled building permits from local entities and called to schedule required inspections.
- Responsible for billing and tracking of labor and materials for T and M projects
- Work with project budgets to ensure hard number jobs stay with budget and time constraints
- Bill Xactimate jobs and provide budgets to Project Managers per estimates
- Versed in Mitigation and remediation protocols and procedures
- Site Work entails moisture mapping, equipment monitoring.
- Work with carriers to resolve invoice issues for quick payment and closeout
- Oversee Project Managers in Mitigation, remediation, and rebuild

### **General Manager**

**1/2020-7/2023**

#### **Advanced Property Restoration Services ( Construction and Mitigation)**

- Responsible for day to day operations including but not limited to bidding projects, execution of contracts, material purchasing and supervising construction and close out. Projects included commercial rebuild, residential rebuild, and roofing.
- Confer with personnel, owners, contractors, and design professionals to discuss and resolve construction problems
- Scheduled projects in logical steps to keep project within budget and time restraints
- Submit and produce draw requests
- Pulled building permits from local entities and called to schedule required inspections.
- Issue and control RFI's, RFV's, Change Orders, and RFP's for project and track changes in cost and scope of work.
- Responsible for billing and tracking of labor and materials for T and M projects
- During storm season switched operations over to emergency mitigation. Skilled in Xactimate, water mapping, equipment monitoring, dry-out, encapsulation, and mold remediation. Well versed in documentation needed to submit for insurance purposes. Worked extensively with insurance carriers. Oversaw largest commercial loss in New Orleans.

### **Project Manager**

**01/2015-1/2020**

#### **Tex-Cap Electric Inc.**

#### **(DOD-MCAS Beaufort and Nuclear Training Facility Charleston \$45 million dollar project)**

- Work in conjunction with VP to ensure success of project within budget and time restraints.
- Manage project schedules, contractor coordination and material scheduling.
- Process government submittals and ensure materials are within specification and drawing requirements.
- Issue and control RFI's, RFV's, and RFP's for project and track changes in cost and scope of work. Participate in proposals including assisting in estimating, scheduling and execution. Skilled in project takeoff and estimating.

- Procure non-consumable materials for project and inspect for compliance at delivery. Provide direction to personnel responsible for project execution, equipment, and transportation.
- Ensure the timely close-out of projects including completion of punch list and final submission of all close-out documents.
- Serve as point of communication for customers, subcontractors, suppliers, and internal coordination.

**Certified QC Inspector II ( VC Summer Nuclear Construction Site)**

**CB and I (formerly The Shaw Group)**

**04/2011-11/2014**

- Performed materials inspection in accordance with site requirements and specifications.
- Ensured adherence to nuclear compliance regulations and contractual requirements between many facets of construction environment.
- Effectively orchestrated a full range of quality assurance and Quality Control functions including, contract and procedure review, test report validation, internal audits, surveillances, CAR initiations and RCA
- Used M&TE daily during inspection along with various other tools to verify compliance with requirements.

**Corporate Materials Management Specialist**

**01/2007-04/2011**

**CB and I (formerly The Shaw Group)**

- Responsible for contractual material control, inventory, and material procurement.
- Worked as a liaison between procurement and engineering to ensure accurate purchasing practices.
- Initiated purchase requisitions for safety related materials. Performed audits of purchase orders, service subcontracts for compliance with QAPP Program.

**Certifications**

IICRC FRST

IICRC WRT

OSHA 30

**Education**

Stratford High School- 1999 Goose Creek, SC

# JAMES HUNT

*National Operations Manager*

## PROFESSIONAL SUMMARY

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Experienced professional with expertise in project management, operations, and team leadership. Skilled in managing budgets, ensuring regulatory compliance, and driving process improvements. Proven ability to lead and motivate teams, while delivering high-quality results.

## EMPLOYMENT HISTORY

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### NATIONAL OPERATIONS MANAGER

#### *360 Fire & Flood*

Sep 2024 - Present  
*Southfield, MI*

- ◆ Responsible for National Project Manager team of 10 – 20 Travel and remote PMs.
- ◆ Assign PMs to projects based on their skillset and availability.
- ◆ Assist managing quality assurance programs and ensure compliance with regulatory and safety standards.
- ◆ Review moisture maps, crew sheets, daily field reports for accuracy and properly distributed to the clients.
- ◆ Analyze project estimates to ensure they are accurate and fair.
- ◆ Analyze project budgets and costs to ensure projects are completed within budget.
- ◆ Hold weekly Teams meetings with each BD and respective PMs on their projects to discuss their projects.
- ◆ Provide Weekly Update on all National Projects.
- ◆ Recruit, train, and evaluate employees, and prepare work schedules.
- ◆ Travel to large losses and CAT events to assist Team when needed.
- ◆ Strategize process improvements, and improve operating procedures and systems.

### NATIONAL PROJECT MANAGER

#### *360 Fire & Flood*

Jun 2023 - Sep 2024  
*Southfield, MI*

- ◆ Manage projects on site and remotely with contracts up to \$400,000 dollars
- ◆ Responsible for all communications to the client and other parties associated with loss.
- ◆ Work with approved Subcontractors to understand, develop, and execute a Scope of Work.
- ◆ Develop and Analyze the Scope of Work and the Budget based on actual conditions.
- ◆ Evaluate the need for Change Orders and provide them to Owners.
- ◆ Prepare reports, documentation, and other job-related administrative documents.
- ◆ Arrange and obtain permits as needed depending on the project Scope of Work.
- ◆ Work with Subcontractors to resolve problems as discovered.
- ◆ Invoice and create all billing documents for projects managed.

### PROJECT MANAGER

#### *CORE First Onsite*

Sep 2021 - Jun 2023  
*Fort Worth, TX*

- ◆ Handle between 20-45 open projects with contracts from \$2,5k up to \$300k dollars.
- ◆ Responsible for all communications to the client and other appropriate parties.
- ◆ Develop and Analyze the Scope of Work and the Budget based on actual conditions.
- ◆ Solicit, receive, and approve proposals from Subcontractors to perform work.
- ◆ Evaluates need for Change Orders to Owners and Subcontractors.
- ◆ Prepare reports, documentation, and other job-related administrative documents.

### CUSTOMER SERVICE REPRESENTATIVE

#### *BSN Sports*

Mar 2020 - Sep 2021  
*Farmers Branch, TX*

- ◆ Led a team of 5-6 sales professionals, ensuring excellent customer management and support.
- ◆ Tracked and maintained all orders, improving order accuracy and customer satisfaction.
- ◆ Resolved customer issues promptly, fostering positive client relationships and retention.

**PROJECT MANAGER**  
*Powerhouse Retail Services*

**Jul 2018 - Feb 2020**  
*Crowley, TX*

- ◆ Managed up to eight construction remodel projects a month and maintaining strict budgets and reporting real times updates to the customer.
- ◆ Managed small crew of superintendents and maintained their schedule depending on importance and demand of jobs across country.
- ◆ Sourced all 3rd Party Trades carpentry, plumbing, electrical, HVAC and Masonry.
- ◆ Requested PO and maintained PO log for payment of 3rd party contractors.

**GENERAL MANAGER**  
*Leslie's Pool Supplies*

**Apr 2013 - Jun 2018**  
*Arlington, TX*

- ◆ Led profit/loss accountability, optimized inventory management, and strategically hired/trained staff, driving operational excellence and revenue growth.
- ◆ Fostered a cohesive team environment, balancing seasonal and full-time staff scheduling to ensure optimal coverage and customer satisfaction.
- ◆ Implemented creative inventory control solutions, streamlining processes and reducing waste while maintaining product availability.

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**EDUCATION**

**BUSINESSES MANAGEMENT**  
*Tarleton State University*

*Stephenville, TX*

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**CERTIFICATIONS**

**WRT CERTIFIED - WATER DAMAGE RESTORATION TECHNICIAN**  
*IICRC*

**Jun 2022 - Present**

**FSRT CERTIFIED – FIRE AND SMOKE DAMAGE RESTORATION TECHNICIAN**  
*IICRC*

**May 2024 - Present**

**XACTIMATE LEVEL 1**  
*Xactimate*

**Jul 2023 - Present**

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**SKILLS**

Project Management, Operations, Team Leadership, Budget Management, Compliance, Process Improvement, Communication, Problem-solving, Reporting, Scheduling, Recruiting, Training, Microsoft Office Suite, T&M Pro, Salesforce, SAP Software, Profit & Loss Management, Merchandising, Project Coordination, Budgeting, Team Management, Project Planning.

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**LICENSES & CREDENTIALS**

***TWIC – Transportation Worker Identification Credential***

Expires June 2029

#### Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Name Vital Oxide RTU

Aqueous Oxidant  
HMIS Rating

1.2 SDS No. VO091223

1.3 EPA Reg. No. 82972-1

H	0	
F	0	
R	0	
PE	--	

1.3 Manufacturer/Distributor Vital Solutions, LLC  
3755 Fiscal Ct. Ste. B  
West Palm Beach, FL 33404

1.4 Phone Numbers: (561) 848-1717

1.5 Medical Emergency: (800) 222-1222

#### Section 2: Hazards Identification

**2.1 GHS Classification:** This material is not considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

**2.2 HMIS Rating:** Health: 0 Flammability: 0 Reactivity: 0 PPE: None

**2.3 Remarks** For full text of Hazard- and EU Hazard-statements: see SECTION 16.

**2.4 Emergency Overview:** Colorless liquid with mild fresh odor. Avoid contact with eyes. Keep out of reach of children.

##### **2.5 Potential Health Effects**

- **Eye Contact:** Eye contact may cause mild eye irritation with discomfort.
- **Skin Contact:** Does NOT cause skin irritation and the product is NOT skin sensitizer.
- **Inhalation:** Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors and allow adequate time for the vapors to disperse before re-entering the restricted area.
- **Ingestion:** Non-Toxic **Carcinogenicity Information:** IARC, NTP, OSHA, and ACGIH list none of the components present in this material at concentrations equal to or greater than 0.1% as carcinogens.

**2.6 Hazard statements:** Eye contact may cause mild eye irritation with discomfort.

##### **2.7 Precautionary statements**

- **prevention:** P234 Keep only in original container, or properly labeled second container
- **Precautionary statements – response:** P390 Absorb spillage to prevent waste.

#### Section 3: Composition / Information on Ingredients

Ingredients	CAS Number	Wt %
Oxychlorine Compounds	Mixture	0.200
n-Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.125
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	0.125
Inert Ingredients	Mixture	99.55

At these concentrations none of the ingredients are known to pose any hazards to human health.

## **Section 4: First Aid Measures**

- 4.1 Inhalation:** Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.
- 4.2 Skin Contact:** Does NOT cause skin irritation.
- 4.3 Eye Contact:** In case of contact, flush eyes with plenty of water.
- 4.4 Ingestion:** Non-toxic. Give a glass of water.

## **Section 5: Fire Fighting Measures**

- 5.1 Flammable Properties: Flash Point:** Not Available (Non Flammable)
- 5.2 Flammable Limits: Lower Flammable Limit:** Not Established
- 5.3 Burn Rate:** Unknown
- 5.4 Upper Flammable Limit:** Not Established
- 5.5 Flammability Classification:** Non-Flammable liquid
- 5.6 Auto ignition Temperature:** Not Established
- 5.7 Hazardous Combustion Products:** Thermal or other decomposition may yield chlorine dioxide or chlorine.
- 5.8 Extinguishing Media:** N/A (Non-Flammable liquid)
- 5.9 Additional Considerations:** None
- 5.10 FIRE FIGHTING INSTRUCTIONS:** Non-Flammable liquid
- 5.11 NFPA Rating:** Health: 0 Flammability: 0 Reactivity: 0 PPE: None

## **Section 6: Accidental Release Measures**

- 6.1 Spill Clean Up**  
No special cleanup measures are required for the consumer product. To avoid the possibility of "bleaching" the spill should be absorbed with paper towels, and the area rinsed with clean water.
- 6.2 Accidental Release Measures**  
Spills are slippery and should be cleaned up promptly.

## **Section 7: Handling and Storage**

- 7.1 Handling:** Keep away from heat and strong acids. Do not ingest. Keep container closed. Use only with adequate ventilation.
- 7.2 Storage:** Keep container tightly closed and sealed until ready for use. Keep container in a well-ventilated place. Do not store above 90°F (40°C) or near fire or open flame. Store large quantities in buildings to comply with OSHA 1910.106. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.
- 7.3 Incompatible materials:** Strong acids
- 7.4 Special Packaging Materials:** None

## **Section 8: Exposure Control/ Personal Protection**

- 8.1 Engineering Controls:** Use in adequately ventilated areas.
- 8.2 Personal Protective Equipment:**
- 8.3 Eye/Face Protection:** Not required for consumer product.
- 8.4 Skin Protection:** Not required for consumer product.
- 8.5 Respirators:** None required for normal use. If consumer product accidentally contacts strong acids in restricted ventilation area, Avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.
- 8.6 Exposure Limits:**
- **Oxychlorine Compounds**
  - **n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride:**
    - PEL (OSHA): Not available PEL (OSHA): Not available
    - TLV (ACGIH): Not available TLV (ACGIH): Not available

**• n-Alkyl Dimethyl Benzyl Ammonium Chloride:**

PEL (OSHA): Not available

TLV (ACGIH): Not available

**Section 9: Physical and Chemical Properties**

<b>Appearance:</b>	Colorless liquid	<b>Odor:</b>	Mild-Fresh
<b>Physical State:</b>	Liquid	<b>pH:</b>	8 - 9
<b>Boiling Point (°F):</b>	212	<b>Solubility in Water:</b>	100%
<b>Freezing Point (°F):</b>	32	<b>Vapor Pressure (mm Hg):</b>	Not Available
<b>Volatile Organic Compounds (VOC):</b>	None	<b>Evaporation Rate:</b>	Less than Ether
<b>Specific Gravity:</b>	1.003 @ 68°F (20°C)	<b>Density (lb/gal):</b>	8.40 @ 68°F (20°C)

**Section 10: Stability and Reactivity****10.1 Chemical Stability:** The product is stable.**10.2 Incompatibility with other Materials:** Strong acids**10.3 Conditions to avoid:** Contact with strong acids**10.4 Hazardous Polymerization:** Will not occur.**10.5 Hazardous Decomposition Products:** Thermal or other decomposition may yield chlorine dioxide or chlorine.**Section 11: Toxicological Information****11.1 TOXICITY TESTING**

- **Acute Inhalation** – Studies with Wistar Albino rats exposed to a respirable aerosol made from a solution of Vital Oxide at a level of 2.08 mg/l for four hours resulted in no deaths and no abnormal necropsy observations.
- **Eye Contact** – Studies with New Zealand white rabbits showed this product is a very mild ocular irritant; mild conjunctival irritation was observed, but cleared within 24 hours.
- **Skin Contact** – Study of dermal toxicity in New Zealand white rabbits showed the product to be non-toxic: Dermal LD<sub>50</sub>> 5,000 mg/kg of body weight; Study of dermal irritation in New Zealand white rabbits showed the product is not a dermal irritant. In Dermal Sensitization studies, Vital Oxide was determined not to be a sensitizer.
- **Swallowing** - Acute oral toxicity in albino rats: Non-toxic LD<sub>50</sub>>5,000 mg/kg of body weight.

**11.2 EPA TOXICITY RATING – IV** This is the lowest category on the scale and is designed for substances that are the least hazardous.**Section 12: Ecological Information****12.1 Environmental Hazards:** No data available.**12.2 Environmental Fate:** No data available.**Section 13: Disposal Considerations****13.1 Waste Disposal:** Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.**Section 14: Transport Information****14.1 Shipping Information:** Not regulated by DOT, IMO/IMDG and IATA/ICAO for ground, air or ocean shipments.

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## Section 15: Regulatory Information

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### 15.1 U.S. Federal Regulations:

- **TSCA:** All components appear in TSCA Inventory
- **OSHA:** Refer to Section 8 for exposure limits.

### 15.2 CERCLA SARA Hazard Category:

- **Section 311 and 312:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: None
- **Section 313:** This product contains following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None.

**15.3 State regulations:** State Right to Know information is not provided.

**15.4 California prop. 65 (no significant risk level):** None

**15.5 International Regulations:**

**15.6 Canadian WHMIS:** Not controlled.

**15.7 Canadian Environmental Protection Act (CEPA):** Additional information available upon request.

**15.8 EU Regulations:** Additional information available upon request.

**15.9 EPA/FIFRA: Registration number: 82972-1**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

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## Section 16: Other Information

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The information is furnished without warranty, expressed, or implied, except that it is accurate to the best knowledge of Vital Solutions, LLC. The Data on this sheet related only to the specific material designed herein. Vital Solutions, LLC, assumes no legal responsibility for the use or reliance on this data.

<b>Issue Date:</b>	12 September 2023
<b>Revision Date:</b>	0
<b>Revision Note:</b>	0

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End of SDS

ISSUE DATE: 1/15/2020

**1. PRODUCT AND COMPANY IDENTIFICATION****GHS PRODUCT IDENTIFIER:**

TRADE NAME; BIOESQUE FIRE AND SMOKE ENCAPSULANT - WHITE

**OTHER MEANS OF IDENTIFICATION:****RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: SURFACE COATING

**SUPPLIER'S DETAILS:**

BIOESQUE SOLUTIONS  
2091 NE 36th Street  
SUITE 50548  
Lighthouse Point, FL 33074  
(800) 921-4634

[www.bioesquesolutions.com](http://www.bioesquesolutions.com)

**24Hour Emergency telephone number:**

INFOTRAC: (800) 535-5053

**2. HAZARD IDENTIFICATION****GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

SERIOUS EYE DAMAGE/ IRRITATION

CATEGORY 2

**LABEL ELEMENTS:**

SIGNAL WORD: WARNING

**HAZARD STATEMENTS:**

Causes serious eye irritation

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Avoid breathing dust/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**PRECAUTIONARY STATEMENTS (STORAGE)**

Keep out of reach of children  
 KEEP FROM FREEZING  
 Product is non-combustible

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

Repeated or prolonged exposure can cause skin dryness or cracking. When grinding dry films wear respiratory protection. Do not breathe mists during spray applications of this product, wear respiratory protection.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
Acrylic emulsion Titanium dioxide	13463-67-7	PROPRIETARY 7-12
Propane 1,2 diol 2-amino-2-methyl-1-propanol	57-55-6 124-68-5	.5-3 .1-.4

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

### 4. FIRST AID MEASURES

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting unless told to do so by a doctor or professional healthcare provider. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** In case of accidental skin contact, remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation or allergic reaction occurs get medical advice.

**INHALATION:** No irritation expected; however if irritation occurs, move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**EYE CONTACT:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

### **Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting.

**SKIN CONTACT:** Symptoms may include redness, dryness and cracking of skin.

**INHALATION:** Not expected; however symptoms could include irritation of respiratory tract.

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically.

## **5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use fire extinguishers suitable for surrounding fire.

**Unsuitable extinguishing media-** Not flammable

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase can occur and the container may burst.

**Hazardous thermal decomposition products:** carbon monoxide and CO<sub>2</sub>, possibly ammonia, irritating gases

**Special protective actions for fire-fighters:** Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

#### **Methods and materials for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## **7. HANDLING AND STORAGE**

#### **Precautions for Safe Handling:**

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and require handling with all safety precautions in mind listed on this sds. Do not reuse container and dispose of in accordance with federal, state and local regulations.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

#### **Conditions for safe storage including any incompatibilities:**

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use and away from children. Do not store in unlabeled containers. Do not freeze.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

<u>Control Parameters</u>	<u>Occupational Exposure Limits</u>		
<u>Ingredient Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Titanium dioxide, 13463-67-7	TWA 10mg/m <sup>3</sup>	TWA 15mg/m <sup>3</sup> total dust (vacated) 10mg/m <sup>3</sup> total dust	IDLH 5000
Propane 1,2 diol 57-55-6	TWA 10mg/m <sup>3</sup>	WEEL USA Workplace Environmental Exposure Levels	

**Appropriate Engineering Controls**

**Engineering Controls:** Use only with adequate ventilation. General room ventilation is required. Local mechanical ventilation may be necessary if working with this product in enclosed areas and/or at elevated temperatures. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces without adequate ventilation.

**Individual protection measures, such as personal protective equipment. (PPE)**

**Eye/Face Protection:** Wear approved safety goggles with side shields. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling -chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures can not always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted, NIOSH/MSHA air-purifying or air-fed respirator with organic vapor cartridge and dust/mist filter in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: white opaque liquid

Odor: slight odor, near odorless

Odor threshold: not available

pH: 8-9

Melting Point/Freezing Point: N.D.

Initial Boiling Point/Range: not applicable

Flash Pt: not flammable

Evaporation Rate: N.D. (butyl acetate=1)

Lower explosive limits: not applicable

Upper explosive limits: not applicable

Vapor Pressure: N.D.

Vapor Density: N.D. (air=1)

Relative Density: 1.19

Solubility in water: Miscible

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: flowable viscous liquid,

**10. STABILITY AND REACTIVITY**

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: elevated temperatures

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide, irritating vapors.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity: Not classified, However as a nuisance dust, prolonged exposures to titanium dioxide above published exposure levels may cause adverse effects to the lungs.**

**Titanium Dioxide-oral LD50-5000mg/kg rat, inhalation-LC50-6.81mg/l 4hr**

**Skin corrosion irritation: Not classified,**

**Serious Eye damage/irritation: classified Category 2 irritant,**

**Sensitization: Not classified,**

**Mutagenicity: Not classified,**

**Carcinogenicity: Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2b). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals.**

**In lifetime inhalation studies of rats, airborne respirable size titanium dioxide particles have been shown to cause lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing with titanium dioxide. Furthermore, human epidemiology studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer.**

**Titanium Dioxide- ACGIH-no, IARC-group2b, NTP-no, OSHA-X**

**Reproductive Toxicity: Not classified**

**Teratogenicity: Not classified**

**Specific target Organ Toxicity (single exposure)**

**Not classified**

**Specific target Organ Toxicity (repeated exposure):**

**Name category route of exposure target organs**

**Not classified**

**Aspiration Hazard: No Data**

**Information on the likely routes of exposure:****Ingestion:** May be harmful if swallowed.**Inhalation:** Do not breathe vapors or mists.**Skin:** Avoid contact with skin. Wash skin with soap and water for 15 minutes.**Eye:** Causes serious eye irritation**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

**Numerical measures of Toxicity**

Not Available

**12. ECOLOGICAL INFORMATION****Toxicity:**

Component Data:

Propane 1,2 diol, 57-55-6	Crustacea	EC50	Daphnia	10000mg/l 48hr
	Fish	LC50	Fish	36991 mg/l 96hr

2-amino-2-,ethyl-1-propanol- Bluegill Sunfish LC50 190 mg/l 96hr

Crangon (shrimp) LC50 179 mg/l 96hr

**Bioaccumulation Potential:**

2-amino-2-,ethyl-1-propanol- BCF factor &lt;1

Titanium dioxide- does not bioaccumulate

**Biodegradability:**

2-amino-2-,ethyl-1-propanol- readily biodegradable

**Mobility in Soil:**

No data

**Other adverse Effects:**

No known significant effects or critical hazards

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT:** NOT REGULATED  
**IATA:** NOT REGULATED  
**IMDG:** NOT REGULATED

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** All ingredients are listed or exempted with TSCA.

SARA 302/304: No products were found.

SARA 311/312: Acute,

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
2-amino-2-methyl-1-propanol 124-68-5	.1-.4	YES	NO	NO	YES	YES

SARA 313: No products found above De Minimis levels

**STATE REGULATIONS:**

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Propane 1,2,diol 57-55-6	No	Yes	No	Yes
2-amino-2-methyl-1-propanol 124-68-5	No	Yes	Yes	Yes
Titanium dioxide 13463-67-7	No	Yes	Yes	Yes

California Prop 65: Titanium dioxide, carcinogen

**16. OTHER INFORMATION**

**HMIS RATING:** HEALTH (1) FIRE (0) REACTIVITY (0)  
 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

**NOTICE TO READER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

ISSUE DATE: 1/15/2020

**1. PRODUCT AND COMPANY IDENTIFICATION****GHS PRODUCT IDENTIFIER:**

TRADE NAME; BIOESQUE FIRE AND SMOKE ENCAPSULANT - WHITE

**OTHER MEANS OF IDENTIFICATION:****RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: SURFACE COATING

**SUPPLIER'S DETAILS:**

BIOESQUE SOLUTIONS  
2091 NE 36th Street  
SUITE 50548  
Lighthouse Point, FL 33074  
(800) 921-4634

[www.bioesquesolutions.com](http://www.bioesquesolutions.com)

**24Hour Emergency telephone number:**

INFOTRAC: (800) 535-5053

**2. HAZARD IDENTIFICATION****GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

SERIOUS EYE DAMAGE/ IRRITATION

CATEGORY 2

**LABEL ELEMENTS:**

SIGNAL WORD: WARNING

**HAZARD STATEMENTS:**

Causes serious eye irritation

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Avoid breathing dust/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**PRECAUTIONARY STATEMENTS (STORAGE)**

Keep out of reach of children  
 KEEP FROM FREEZING  
 Product is non-combustible

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

Repeated or prolonged exposure can cause skin dryness or cracking. When grinding dry films wear respiratory protection. Do not breathe mists during spray applications of this product, wear respiratory protection.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
Acrylic emulsion Titanium dioxide	13463-67-7	PROPRIETARY 7-12
Propane 1,2 diol 2-amino-2-methyl-1-propanol	57-55-6 124-68-5	.5-3 .1-.4

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

### 4. FIRST AID MEASURES

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting unless told to do so by a doctor or professional healthcare provider. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** In case of accidental skin contact, remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation or allergic reaction occurs get medical advice.

**INHALATION:** No irritation expected; however if irritation occurs, move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**EYE CONTACT:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

### **Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting.

**SKIN CONTACT:** Symptoms may include redness, dryness and cracking of skin.

**INHALATION:** Not expected; however symptoms could include irritation of respiratory tract.

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically.

## **5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use fire extinguishers suitable for surrounding fire.

**Unsuitable extinguishing media-** Not flammable

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase can occur and the container may burst.

**Hazardous thermal decomposition products:** carbon monoxide and CO<sub>2</sub>, possibly ammonia, irritating gases

**Special protective actions for fire-fighters:** Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

#### **Methods and materials for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## **7. HANDLING AND STORAGE**

#### **Precautions for Safe Handling:**

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and require handling with all safety precautions in mind listed on this sds. Do not reuse container and dispose of in accordance with federal, state and local regulations.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

#### **Conditions for safe storage including any incompatibilities:**

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use and away from children. Do not store in unlabeled containers. Do not freeze.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

<u>Control Parameters</u>	<u>Occupational Exposure Limits</u>		
<u>Ingredient Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Titanium dioxide, 13463-67-7	TWA 10mg/m <sup>3</sup>	TWA 15mg/m <sup>3</sup> total dust (vacated) 10mg/m <sup>3</sup> total dust	IDLH 5000
Propane 1,2 diol 57-55-6	TWA 10mg/m <sup>3</sup>	WEEL USA Workplace Environmental Exposure Levels	

**Appropriate Engineering Controls**

**Engineering Controls:** Use only with adequate ventilation. General room ventilation is required. Local mechanical ventilation may be necessary if working with this product in enclosed areas and/or at elevated temperatures. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces without adequate ventilation.

**Individual protection measures, such as personal protective equipment. (PPE)**

**Eye/Face Protection:** Wear approved safety goggles with side shields. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling -chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures can not always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted, NIOSH/MSHA air-purifying or air-fed respirator with organic vapor cartridge and dust/mist filter in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: white opaque liquid

Odor: slight odor, near odorless

Odor threshold: not available

pH: 8-9

Melting Point/Freezing Point: N.D.

Initial Boiling Point/Range: not applicable

Flash Pt: not flammable

Evaporation Rate: N.D. (butyl acetate=1)

Lower explosive limits: not applicable

Upper explosive limits: not applicable

Vapor Pressure: N.D.

Vapor Density: N.D. (air=1)

Relative Density: 1.19

Solubility in water: Miscible

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: flowable viscous liquid,

**10. STABILITY AND REACTIVITY**

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: elevated temperatures

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide, irritating vapors.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity: Not classified, However as a nuisance dust, prolonged exposures to titanium dioxide above published exposure levels may cause adverse effects to the lungs.**

**Titanium Dioxide-oral LD50-5000mg/kg rat, inhalation-LC50-6.81mg/l 4hr**

**Skin corrosion irritation: Not classified,**

**Serious Eye damage/irritation: classified Category 2 irritant,**

**Sensitization: Not classified,**

**Mutagenicity: Not classified,**

**Carcinogenicity: Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2b). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals.**

**In lifetime inhalation studies of rats, airborne respirable size titanium dioxide particles have been shown to cause lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing with titanium dioxide. Furthermore, human epidemiology studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer.**

**Titanium Dioxide- ACGIH-no, IARC-group2b, NTP-no, OSHA-X**

**Reproductive Toxicity: Not classified**

**Teratogenicity: Not classified**

**Specific target Organ Toxicity (single exposure)**

**Not classified**

**Specific target Organ Toxicity (repeated exposure):**

**Name category route of exposure target organs**

**Not classified**

**Aspiration Hazard: No Data**

**Information on the likely routes of exposure:****Ingestion:** May be harmful if swallowed.**Inhalation:** Do not breathe vapors or mists.**Skin:** Avoid contact with skin. Wash skin with soap and water for 15 minutes.**Eye:** Causes serious eye irritation**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

**Numerical measures of Toxicity**

Not Available

**12. ECOLOGICAL INFORMATION****Toxicity:**

Component Data:

Propane 1,2 diol, 57-55-6	Crustacea	EC50	Daphnia	10000mg/l 48hr
	Fish	LC50	Fish	36991 mg/l 96hr

2-amino-2-,ethyl-1-propanol- Bluegill Sunfish LC50 190 mg/l 96hr

Crangon (shrimp) LC50 179 mg/l 96hr

**Bioaccumulation Potential:**

2-amino-2-,ethyl-1-propanol- BCF factor <1

Titanium dioxide- does not bioaccumulate

**Biodegradability:**

2-amino-2-,ethyl-1-propanol- readily biodegradable

**Mobility in Soil:**

No data

**Other adverse Effects:**

No known significant effects or critical hazards

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT:** NOT REGULATED  
**IATA:** NOT REGULATED  
**IMDG:** NOT REGULATED

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** All ingredients are listed or exempted with TSCA.

SARA 302/304: No products were found.

SARA 311/312: Acute,

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
2-amino-2-methyl-1-propanol 124-68-5	.1-.4	YES	NO	NO	YES	YES

SARA 313: No products found above De Minimis levels

**STATE REGULATIONS:**

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Propane 1,2,diol 57-55-6	No	Yes	No	Yes
2-amino-2-methyl-1-propanol 124-68-5	No	Yes	Yes	Yes
Titanium dioxide 13463-67-7	No	Yes	Yes	Yes

California Prop 65: Titanium dioxide, carcinogen

**16. OTHER INFORMATION**

**HMIS RATING:** HEALTH (1) FIRE (0) REACTIVITY (0)  
 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

**NOTICE TO READER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

ISSUE DATE: 1/15/2020

**1. PRODUCT AND COMPANY IDENTIFICATION****GHS PRODUCT IDENTIFIER:**

TRADE NAME; BIOESQUE MOLD RESISTANT COATING - WHITE

**OTHER MEANS OF IDENTIFICATION:****RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: SURFACE COATING

**SUPPLIER'S DETAILS:**

BIOESQUE SOLUTIONS  
2091 NE 36th Street  
SUITE 50548  
Lighthouse Point, FL 33074  
(800) 921-4634

[www.bioesquesolutions.com](http://www.bioesquesolutions.com)

**24Hour Emergency telephone number:**

INFOTRAC: (800) 535-5053

**2. HAZARD IDENTIFICATION****GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

SERIOUS EYE DAMAGE/ IRRITATION

CATEGORY 2

**LABEL ELEMENTS:**

SIGNAL WORD: WARNING

**HAZARD STATEMENTS:**

Causes serious eye irritation

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Avoid breathing dust/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**PRECAUTIONARY STATEMENTS (STORAGE)**

Keep out of reach of children  
 KEEP FROM FREEZING  
 Product is non-combustible

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

Repeated or prolonged exposure can cause skin dryness or cracking. When grinding dry films wear respiratory protection. Do not breathe mists during spray applications of this product, wear respiratory protection.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
Acrylic emulsion Titanium dioxide	13463-67-7	PROPRIETARY 7-12
Propane 1,2 diol 2-amino-2-methyl-1-propanol	57-55-6 124-68-5	.5-3 .1-.4

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

### 4. FIRST AID MEASURES

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting unless told to do so by a doctor or professional healthcare provider. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** In case of accidental skin contact, remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation or allergic reaction occurs get medical advice.

**INHALATION:** No irritation expected; however if irritation occurs, move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**EYE CONTACT:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

### **Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting.

**SKIN CONTACT:** Symptoms may include redness, dryness and cracking of skin.

**INHALATION:** Not expected; however symptoms could include irritation of respiratory tract.

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically.

## **5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use fire extinguishers suitable for surrounding fire.

**Unsuitable extinguishing media-** Not flammable

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase can occur and the container may burst.

**Hazardous thermal decomposition products:** carbon monoxide and CO<sub>2</sub>, possibly ammonia, irritating gases

**Special protective actions for fire-fighters:** Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

**Methods and materials for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and require handling with all safety precautions in mind listed on this sds. Do not reuse container and dispose of in accordance with federal, state and local regulations.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

**Conditions for safe storage including any incompatibilities:**

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use and away from children. Do not store in unlabeled containers. Do not freeze.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Control Parameters</u>	<u>Occupational Exposure Limits</u>		
<u>Ingredient Identity</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Titanium dioxide, 13463-67-7	TWA 10mg/m <sup>3</sup>	TWA 15mg/m <sup>3</sup> total dust (vacated) 10mg/m <sup>3</sup> total dust	IDLH 5000
Propane 1,2 diol 57-55-6	TWA 10mg/m <sup>3</sup>	WEEL USA Workplace Environmental Exposure Levels	

### Appropriate Engineering Controls

**Engineering Controls:** Use only with adequate ventilation. General room ventilation is required. Local mechanical ventilation may be necessary if working with this product in enclosed areas and/or at elevated temperatures. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces without adequate ventilation.

### Individual protection measures, such as personal protective equipment. (PPE)

**Eye/Face Protection:** Wear approved safety goggles with side shields. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling -chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures can not always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted, NIOSH/MSHA air-purifying or air-fed respirator with organic vapor cartridge and dust/mist filter in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white opaque liquid

Odor: slight odor, near odorless

Odor threshold: not available

pH: 8-9

Melting Point/Freezing Point: N.D.

Initial Boiling Point/Range: not applicable

Flash Pt: not flammable

Evaporation Rate: N.D. (butyl acetate=1)

Lower explosive limits: not applicable

Upper explosive limits: not applicable

Vapor Pressure: N.D.

Vapor Density: N.D. (air=1)

Relative Density: 1.19

Solubility in water: Miscible

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: flowable viscous liquid,

**10. STABILITY AND REACTIVITY**

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: elevated temperatures

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide, irritating vapors.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity: Not classified, However as a nuisance dust, prolonged exposures to titanium dioxide above published exposure levels may cause adverse effects to the lungs.**

**Titanium Dioxide-oral LD50-5000mg/kg rat, inhalation-LC50-6.81mg/l 4hr**

**Skin corrosion irritation: Not classified,**

**Serious Eye damage/irritation: classified Category 2 irritant,**

**Sensitization: Not classified,**

**Mutagenicity: Not classified,**

**Carcinogenicity: Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2b). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals.**

**In lifetime inhalation studies of rats, airborne respirable size titanium dioxide particles have been shown to cause lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing with titanium dioxide. Furthermore, human epidemiology studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer.**

**Titanium Dioxide- ACGIH-no, IARC-group2b, NTP-no, OSHA-X**

**Reproductive Toxicity: Not classified**

**Teratogenicity: Not classified**

**Specific target Organ Toxicity (single exposure)**

**Not classified**

**Specific target Organ Toxicity (repeated exposure):**

**Name category route of exposure target organs**

**Not classified**

**Aspiration Hazard: No Data**

**Information on the likely routes of exposure:****Ingestion:** May be harmful if swallowed.**Inhalation:** Do not breathe vapors or mists.**Skin:** Avoid contact with skin. Wash skin with soap and water for 15 minutes.**Eye:** Causes serious eye irritation**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

**Numerical measures of Toxicity**

Not Available

**12. ECOLOGICAL INFORMATION****Toxicity:**

Component Data:

Propane 1,2 diol, 57-55-6	Crustacea	EC50	Daphnia	10000mg/l 48hr
	Fish	LC50	Fish	36991 mg/l 96hr

2-amino-2-,ethyl-1-propanol-	Bluegill Sunfish	LC50	190 mg/l 96hr
	Crangon (shrimp)	LC50	179 mg/l 96hr

**Bioaccumulation Potential:**

2-amino-2-,ethyl-1-propanol- BCF factor <1

Titanium dioxide- does not bioaccumulate

**Biodegradability:**

2-amino-2-,ethyl-1-propanol- readily biodegradable

**Mobility in Soil:**

No data

**Other adverse Effects:**

No known significant effects or critical hazards

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT:** NOT REGULATED  
**IATA:** NOT REGULATED  
**IMDG:** NOT REGULATED

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** All ingredients are listed or exempted with TSCA.

SARA 302/304: No products were found.

SARA 311/312: Acute,

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
2-amino-2-methyl-1-propanol 124-68-5	.1-.4	YES	NO	NO	YES	YES

SARA 313: No products found above De Minimis levels

**STATE REGULATIONS:**

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Propane 1,2,diol 57-55-6	No	Yes	No	Yes
2-amino-2-methyl-1-propanol 124-68-5	No	Yes	Yes	Yes
Titanium dioxide 13463-67-7	No	Yes	Yes	Yes

California Prop 65: Titanium dioxide, carcinogen

**16. OTHER INFORMATION**

**HMIS RATING:** HEALTH (1) FIRE (0) REACTIVITY (0)  
 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

**NOTICE TO READER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# RESIDENTIAL, COMMERCIAL & HOSPITAL DISINFECTANT

# VitalOxide



LISTED #141392  
No rinse required for  
food contact surfaces (D-2)

**Kills Harmful Bacteria on Hard and Soft Surfaces  
Inhibits Mold and Mildew on Hard Surfaces and Fabric**

**Tested and Proven to Kill COVID-19, SARS-CoV-2 on hard, nonporous surfaces**      **Tough on Germs, Easy on Surfaces**  
**60 Seconds is All It Takes to Kill 99.999% of Bacteria**      **100% Biodegradable Surfactant**  
**Sanitizes Hard and Soft Surfaces by Spot Treatment**      **7 in 1 Cleaner Technology**  
**Disinfects as It Cleans<sup>†</sup>**

**AREAS OF USE INCLUDE:** Homes, vehicles, schools & daycare, gyms & locker rooms, sports gear, hospitals, nursing homes, laundry rooms, pharmacies, ambulances, barber shops, laboratories, restaurants, boats, ships, federally inspected meat & poultry processing plants, egg processing premises, refrigerated storage units (empty & disconnected)<sup>†</sup>, HVAC and AC systems including window ptac mini splits, airplanes, trains, trucks, buses & automobiles. † Use as a mold controller & mildewstat on hard non-porous surfaces and soft surfaces. †

**VITAL OXIDE KILLS:** Hard Surface Sanitization No Rinse Required: 60 Second Contact Time: *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Non-Food Contact Surface Sanitization No Rinse Required: 5 Minute Contact Time:** *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Sanitize Soft Surfaces: 5 Minute Contact Time:** *Staphylococcus aureus* (ATCC 6538), *Klebsiella aerogenes* (ATCC #13048) **Carpet Sanitization: 60 Minute Contact Time:** *Klebsiella aerogenes* (ATCC #13048), *Staphylococcus aureus* (ATCC 6538) **Fungicide: 10 Minute Contact Time:** *Trichophyton rubrum* ATCC MYA, *Trichophyton interdigitale* (ATCC # 9533) **Mildewstat: 10 Minute Contact Time:** *Aspergillus niger* ATCC 6275 **Disinfection Bacteria 10 Minute Contact Time:** *Pseudomonas aeruginosa* ATCC 15442, *Acinetobacter baumannii* ATCC 19606, *Staphylococcus aureus* MRSA ATCC 33592, *Listeria monocytogenes* ATCC 15313, *Legionella pneumophila* ATCC 33153, *Salmoneella enterica* ATCC 10708, *Staphylococcus aureus* ATCC 6538, *Klebsiella pneumoniae* (NDM-1) ATCC BAA-2146, *Escherichia coli* ATCC 11229, *Bordetella bronchiseptica* ATCC 10580, *Mycobacterium bovis*-BCG, Penicillin-Resistant *Streptococcus pneumoniae*, ATCC# 700677, *Chlamydia psittaci*, Strain 6BC, ATCCVR-125 **Disinfection Virus 5 Minute Contact Time:** Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2)(COVID-19 Virus), Rotavirus, Strain WA \*\*\*; Hepatitis C Virus Bovine Viral Diarrhea Virus\*\*\*; Hepatitis B Virus Duck Hepatitis\*\*\*; Norovirus Feline Calcivirus\*\*\*; Murine Norovirus (MNV-1)\*\*; Swine Influenza (H1N1)\*\*; Respiratory Syncytial virus, ATCC VR-26\*\*\*; Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-IIIb\*\*\*; Influenza B Virus (Strain B/Taiwan/2/62), ATCC VR-1735\*\*\*; Hepatitis A Virus ATCC VR-1541\*\*\*; Hantavirus (Prospect Hill Virus) University of Ontario \*\*\*; Canine Distemper Virus, Strain Snyder Hill, ATCC VR\*\*\* **Disinfection Virus 10 Minute Contact Time:** Adenovirus 1, Strain Adenoid 71, ATCC VR-1\*\*\*; Canine Parvovirus, Strain Cornell-780916, ATCC VR-2016\*\*\*; Canine adenovirus 1, Strain Utrecht, ATCC VR-293\*\*\*; Feline Herpesvirus 1 Strain C-27, ATCC VR-636\*\*\*; Feline coronavirus, Strain WSU 79-1683, ATCC VR 989\*\*\*; Canine coronavirus Strain 1-71, ATCC VR-809\*\*\*; Canine Influenza (H3N8) virus, Strain A/Can/NY/105913/08, Cornell University\*\*\*; Feline Infectious Peritonitis Virus, Strain: WSU 79 1146, ATCC# VR-990\*\*\*; Feline panleukopenia virus, Strain Philips-Roxane, ATCC VR-648\*\*\*; Rabies Virus, Strain: Flury (HEP), ATCC VR-139\*\*\*; Avian Influenza (H5N1) Virus (VNHSN1-PR8/CDC-RG), CDC #2006719965, Charles River Laboratories; Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260\*\*\*; Porcine Epidemic Diarrhea Virus, Strain CO 2013, USDA APHIS 025-P0001; Porcine Reproductive and Respiratory Syndrome Type 2 Virus, Strain NVSL (North America) NVSL 130 PDV

## ACTIVE INGREDIENTS:

Chlorine Dioxide.....	0.200%
Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	
dimethyl benzyl ammonium chloride.....	0.125%
Alkyl (68% C12, 32% C14) dimethyl	
ethylbenzyl ammonium chloride.....	0.125%
OTHER INGREDIENTS.....	99.550%
Total.....	100.000%

**NET CONTENTS: 128 FL. OZ. (3.78 L)**

**KEEP OUT OF REACH OF CHILDREN**



**DIRECTIONS FOR USE:** This is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Test fabric for color fastness. Contains a dilute oxidizing agent. Do not mix with vinegar or acidic cleaners. Always refer to manufacturer's care instructions before using equipment or devices. **Pre-Cleaning Instructions:** Remove visible soil by cleaning. Spray product straight onto soils, scrub and wipe clean with a dry paper towel or cloth. For cleaning floors add one cup product per gallon of water in bucket and clean with mop, or pad. **To Spot Clean Carpet:** Spray on soiled area until wet. Gently blot area with a clean, damp, color safe cloth. Repeat as needed for stubborn stains. Let air dry. **TO DISINFECT HARD NON-POROUS SURFACES:** For disinfecting pre-cleaned hard non-porous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, beds, frames, cabinet handles, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops<sup>4</sup>, telephones, toys, walls, waste containers. Apply VITAL OXIDE undiluted full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 5 minutes or 10 minutes for virus inactivation (refer to the viruses table for contact times) – 10 minutes for bacteria disinfection. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted. **FOGGING AND MISTING:** VITAL OXIDE can be applied by fogging or misting to disinfect hard, nonporous surfaces. Apply by fogging or misting until surface is moist using equipment manufacturer's directions for use. Remove or carefully protect all food and food packaging materials prior to treatment. Vacate treatment area and do not reenter treated area until air is clear (minimum 20 minutes to reentry). For disinfection by ULV misting machine application, see the product Supplemental Bulletin specific for equipment to be used. **TO DISINFECT HARD NON-POROUS SURFACES (Tuberculocidal):** For disinfecting pre-cleaned hard nonporous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, beds, frames, cabinet handles, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops<sup>4</sup>, telephones, toys, walls, waste containers. Apply product full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 10 minutes for *Mycobacterium bovis*-BCG disinfection. For immersion replace solution daily, or more frequently if it becomes significantly soiled or diluted. **TO DEODORIZE:** VITAL OXIDE works by oxidation, not by masking of odors. Eliminates odors caused by fire smoke, tobacco smoke, musty odors, stale-cooking odors. Simply spray, fog, or wipe on full strength and let air dry. When fogging to deodorize apply 1 quart per 2000 cubic ft. following fogger manufacturer's directions for use. Product must come into contact with the cause of the odor to be effective. For pet urine stains in carpet, blot urine as dry as possible then saturate stain with VITAL OXIDE through carpet pad. **TO DEODORIZE OR FRESHEN CARPET:** Spray until slightly damp to eliminate (pet) odors. Product must come into contact with the cause of the odor to be effective. **TO DEODORIZE HVAC SYSTEM DUCTWORK:** Spray VITAL OXIDE into system intake vents while system fan is running. Allow enough spray time for VITAL OXIDE to contact air duct system surfaces. Repeat application as necessary. **ALLERGEN REMOVAL:** To reduce specified allergens, cockroach matter, dust mite matter, pet dander. Spray, wait 1 minute, and wipe excess. Allow to air dry. **FUNGICIDE: To Kill Fungus on Hard, Non-Porous Surfaces:** Remove visible surface dirt by cleaning. Apply VITAL OXIDE to the surface until thoroughly wet for 10 minutes. Re-apply when cleaning or when new growth appears. For effective control of the fungus *Trichophyton interdigitale*, the surface must be completely wet with product for 10 minutes. **MILDEWSTAT: For Mold or Mildew on Floors, Walls, Ceilings & Fabric:** Remove as much surface dirt, mold, or mildew as possible by cleaning. Then spray on VITAL OXIDE from a distance of 12 inches until visibly wet and let air dry, the surface must be completely wet with product for 10 minutes. **TO SANITIZE FOOD CONTACT SURFACES:** *Staphylococcus aureus* (ATCC 6538) and *Escherichia coli* (ATCC 11229) 99.999% sanitization of food contact surfaces. Mix 1 part VITAL OXIDE to 5 parts tap water. For all food contact surfaces, including glassware, utensils, cookware, and dishware: Scrape and prewash, then wash with a good detergent. Rinse with potable water, then sanitize by immersion in product for 1 minute (or longer if specified by government sanitary code). Place on a rack or drain board to air dry. Do not rinse or wipe. **Food Contact Immobility Surfaces:** (food processing equipment, counter tops, tables, appliances) Remove all gross food particles and soil by cleaning and rinse with potable water. Apply product by wetting thoroughly with spray, sponge, mop, or by immersion in solution and let stand for 1 minute (or longer if specified by government sanitary code). Let surfaces drain and air dry. Do not rinse or wipe. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted. **TO SANITIZE CARPET:** For synthetic carpet fibers such as nylon, olefin, or polypropylene - not intended for use on wool carpets. Test for color fastness in an inconspicuous area. Carpet should be clean or free of excessive soil before applying. Mix 1 part VITAL OXIDE to 5 parts water. Use full strength. Apply at a rate of 2.5 oz per sq. ft. Product must come into contact with contaminant to work. Allow to dwell for 60 minutes. Do not rinse, use an extraction wand and dry stroke carpet to remove excess moisture. Carpet can air dry or fans may be used if carpet needs to dry faster. **To Spot Clean & Sanitize:** Spray a light even coating on soiled area until wet. Allow to remain wet for 60 minutes. Gently blot area with a clean, damp, color-safe cloth. Repeat as needed for stubborn stains. Let air dry. **TO SANITIZE CARPET USING A DEVICE:** See Manufacturer's Instructions for Use. **TO SANITIZE SOFT SURFACES BY SPOT TREATMENT:** \* Fabrics\*: Hold bottle upright 6" - 8" from surface. Spray until fabric is wet. Do NOT SATURATE. Let stand for 5 minutes. Allow to air dry. For difficult odors or heavy fabrics, repeat application. Visible soil must be removed prior to sanitizing. Fabric and Carpet advisory statement: Before you clean, test a small, hidden area for colorfastness and examine when dry. If color is affected, do not use. Before using this product on upholstery, look for manufacturer's cleanability code tag. Do not use on cotton or cotton blends. Not for use on clothing. **TO USE AS A PRECLEANER OR POSTCLEANER:** Spray a light even coating over soiled area (until wet). Allow to remain wet for 60 minutes. Deep clean following your machine's guide. **TO SANITIZE NON-FOOD CONTACT HARD NON-POROUS SURFACES:** *Staphylococcus aureus* (ATCC 6538) and *Klebsiella aerogenes* (ATCC #13048) Mix 1 part VITAL OXIDE with 9 parts water. Apply product as a one-step cleaner sanitizer (5% organic soil load) by wetting thoroughly with spray, sponge, mop, or by immersion in solution and let stand 5 minutes. Wipe and allow to air dry. No rinse required. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted.

**HOSPITALS/HEALTHCARE FACILITIES:** VITAL OXIDE cleans, disinfects and deodorizes hard, nonporous hospital and medical surfaces in one step with no rinsing required. VITAL OXIDE is a one step germicidal disinfectant cleaner and deodorant designed for general cleaning and disinfecting of hard, nonporous inanimate surfaces, when use-directions for disinfection are followed. Removes dirt, grime, fungus, mold, food residue, blood and other organic matter commonly found in hospitals and in health care facilities. It also eliminates odors leaving restroom surfaces smelling clean and fresh. Use where odors are a problem.

**\*\*This product is not to be used as a terminal sterilant/high level disinfectant on any surface of instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contact intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.**

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATIONS AGAINST HIV-1, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. KILLS HIV-1, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Human Hepatitis B Virus, and Human Hepatitis C Virus. When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal. CONTACT TIME: Allow surfaces to remain wet for 5 minutes for virus inactivation.

**STORAGE AND DISPOSAL:** Store in original closed container in a cool, dry, place away from heat and open flame. Do not allow product to become overheated in storage. Avoid prolonged storage temperature above 40°C, 90°F and away from direct sunlight. This may cause increased degradation of the product, which will decrease product effectiveness. Refill only with this product. Do not reuse or refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container. Do not transfer with metal drum pumps. Container Disposal: Rinse and offer empty container for recycling. If recycling is not available, discard container in trash. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Discard excess or used (product) solution in drain with running water.

**FIRST AID. IF IN EYES:** Hold eye open and rinse slowly with water 15-20 mins. Remove contact lenses after first 5 mins. and continue rinsing. Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment.

**\*When used according to directions for disinfection, refer to the appropriate claims and use directions for this application.**

**^equipment should be allowed to come to room temperature prior to treatment**  
EPA Reg. No. 82972-1 EPA Est. No. 92967-GA-001; EPA Est. No. 85804-NC-1; EPA Est. No. 45745-TN-2 (See batch code for actual establishment number). NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no other warranties associated with sale of the product.

Manufactured by:

**VitalSOLUTIONS, LLC**

P.O. Box 9932, West Palm Beach, FL 33419

Customer Service: 1-800-303-5405

[www.vitaloxide.com](http://www.vitaloxide.com)



# RESIDENTIAL, COMMERCIAL & HOSPITAL DISINFECTANT

# VitalOxide



LISTED #141392  
No rinse required for  
food contact surfaces (D-2)

**Kills Harmful Bacteria on Hard and Soft Surfaces  
Inhibits Mold and Mildew on Hard Surfaces and Fabric**

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**60 Seconds is All It Takes to Kill 99.999% of Bacteria**      **100% Biodegradable Surfactant**  
**Sanitizes Hard and Soft Surfaces by Spot Treatment**      **7 in 1 Cleaner Technology**  
**Disinfects as It Cleans<sup>†</sup>**

**AREAS OF USE INCLUDE:** Homes, vehicles, schools & daycare, gyms & locker rooms, sports gear, hospitals, nursing homes, laundry rooms, pharmacies, ambulances, barber shops, laboratories, restaurants, boats, ships, federally inspected meat & poultry processing plants, egg processing premises, refrigerated storage units (empty & disconnected)<sup>†</sup>, HVAC and AC systems including window ptac mini splits, airplanes, trains, trucks, buses & automobiles. † Use as a mold controller & mildewstat on hard non-porous surfaces and soft surfaces. †

**VITAL OXIDE KILLS:** Hard Surface Sanitization No Rinse Required: 60 Second Contact Time: *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Non-Food Contact Surface Sanitization No Rinse Required: 5 Minute Contact Time:** *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Sanitize Soft Surfaces: 5 Minute Contact Time:** *Staphylococcus aureus* (ATCC 6538), *Klebsiella aerogenes* (ATCC #13048) **Carpet Sanitization: 60 Minute Contact Time:** *Klebsiella aerogenes* (ATCC #13048), *Staphylococcus aureus* (ATCC 6538) **Fungicide: 10 Minute Contact Time:** *Trichophyton rubrum* ATCC MYA, *Trichophyton interdigitale* (ATCC # 9533) **Mildewstat: 10 Minute Contact Time:** *Aspergillus niger* ATCC 6275 **Disinfection Bacteria 10 Minute Contact Time:** *Pseudomonas aeruginosa* ATCC 15442, *Acinetobacter baumannii* ATCC 19606, *Staphylococcus aureus* MRSA ATCC 33592, *Listeria monocytogenes* ATCC 15313, *Legionella pneumophila* ATCC 33153, *Salmoneella enterica* ATCC 10708, *Staphylococcus aureus* ATCC 6538, *Klebsiella pneumoniae* (NDM-1) ATCC BAA-2146, *Escherichia coli* ATCC 11229, *Bordetella bronchiseptica* ATCC 10580, *Mycobacterium bovis*-BCG, Penicillin-Resistant *Streptococcus pneumoniae*, ATCC# 700677, *Chlamydia psittaci*, Strain 6BC, ATCCVR-125 **Disinfection Virus 5 Minute Contact Time:** Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2)(COVID-19 Virus), Rotavirus, Strain WA \*\*\*; Hepatitis C Virus Bovine Viral Diarrhea Virus\*\*\*; Hepatitis B Virus Duck Hepatitis\*\*\*; Norovirus Feline Calcivirus\*\*\*; Murine Norovirus (MNV-1)\*\*; Swine Influenza (H1N1)\*\*; Respiratory Syncytial virus, ATCC VR-26\*\*\*; Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-IIIb\*\*\*; Influenza B Virus (Strain B/Taiwan/2/62), ATCC VR-1735\*\*\*; Hepatitis A Virus ATCC VR-1541\*\*\*; Hantavirus (Prospect Hill Virus) University of Ontario \*\*\*; Canine Distemper Virus, Strain Snyder Hill, ATCC VR\*\*\* **Disinfection Virus 10 Minute Contact Time:** Adenovirus 1, Strain Adenoid 71, ATCC VR-1\*\*\*; Canine Parvovirus, Strain Cornell-780916, ATCC VR-2016\*\*\*; Canine adenovirus 1, Strain Utrecht, ATCC VR-293\*\*\*; Feline Herpesvirus 1 Strain C-27, ATCC VR-636\*\*\*; Feline coronavirus, Strain WSU 79-1683, ATCC VR 989\*\*\*; Canine coronavirus Strain 1-71, ATCC VR-809\*\*\*; Canine Influenza (H3N8) virus, Strain A/Can/NY/105913/08, Cornell University\*\*\*; Feline Infectious Peritonitis Virus, Strain: WSU 79 1146, ATCC# VR-990\*\*\*; Feline panleukopenia virus, Strain Philips-Roxane, ATCC VR-648\*\*\*; Rabies Virus, Strain: Flury (HEP), ATCC VR-139\*\*\*; Avian Influenza (H5N1) Virus (VNHSN1-PR8/CDC-RG), CDC #Z006719965, Charles River Laboratories; Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260\*\*\*; Porcine Epidemic Diarrhea Virus, Strain CO 2013, USDA APHIS 025-P0001; Porcine Reproductive and Respiratory Syndrome Type 2 Virus, Strain NVSL (North America) NVSL 130 PDV

## ACTIVE INGREDIENTS:

Chlorine Dioxide.....	0.200%
Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	
dimethyl benzyl ammonium chloride.....	0.125%
Alkyl (68% C12, 32% C14) dimethyl	
ethylbenzyl ammonium chloride.....	0.125%
OTHER INGREDIENTS.....	99.550%
Total.....	100.000%

**NET CONTENTS: 128 FL. OZ. (3.78 L)**

**KEEP OUT OF REACH OF CHILDREN**



**DIRECTIONS FOR USE:** This is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Test fabric for color fastness. Contains a dilute oxidizing agent. Do not mix with vinegar or acidic cleaners. Always refer to manufacturer's care instructions before using equipment or devices. **Pre-Cleaning Instructions:** Remove visible soil by cleaning. Spray product straight onto soils, scrub and wipe clean with a dry paper towel or cloth. For cleaning floors add one cup product per gallon of water in bucket and clean with mop, or pad. **To Spot Clean Carpet:** Spray on soiled area until wet. Gently blot area with a clean, damp, color safe cloth. Repeat as needed for stubborn stains. Let air dry. **TO DISINFECT HARD NON-POROUS SURFACES:** For disinfecting pre-cleaned hard non-porous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, beds, frames, cabinet handles, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops<sup>4</sup>, telephones, toys, walls, waste containers. Apply VITAL OXIDE undiluted full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 5 minutes or 10 minutes for virus inactivation (refer to the viruses table for contact times) – 10 minutes for bacteria disinfection. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted. **FOGGING AND MISTING:** VITAL OXIDE can be applied by fogging or misting to disinfect hard, nonporous surfaces. Apply by fogging or misting until surface is moist using equipment manufacturer's directions for use. Remove or carefully protect all food and food packaging materials prior to treatment. Vacate treatment area and do not reenter treated area until air is clear (minimum 20 minutes to reentry). For disinfection by ULV misting machine application, see the product Supplemental Bulletin specific for equipment to be used. **TO DISINFECT HARD NON-POROUS SURFACES (Tuberculocidal):** For disinfecting pre-cleaned hard nonporous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, beds, frames, cabinet handles, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops<sup>4</sup>, telephones, toys, walls, waste containers. Apply product full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 10 minutes for *Mycobacterium bovis*-BCG disinfection. For immersion replace solution daily, or more frequently if it becomes significantly soiled or diluted. **TO DEODORIZE:** VITAL OXIDE works by oxidation, not by masking of odors. Eliminates odors caused by fire smoke, tobacco smoke, musty odors, stale-cooking odors. Simply spray, fog, or wipe on full strength and let air dry. When fogging to deodorize apply 1 quart per 2000 cubic ft. following fogger manufacturer's directions for use. Product must come into contact with the cause of the odor to be effective. For pet urine stains in carpet, blot urine as dry as possible then saturate stain with VITAL OXIDE through carpet pad. **TO DEODORIZE OR FRESHEN CARPET:** Spray until slightly damp to eliminate (pet) odors. Product must come into contact with the cause of the odor to be effective. **TO DEODORIZE HVAC SYSTEM DUCTWORK:** Spray VITAL OXIDE into system intake vents while system fan is running. Allow enough spray time for VITAL OXIDE to contact air duct system surfaces. Repeat application as necessary. **ALLERGEN REMOVAL:** To reduce specified allergens, cockroach matter, dust mite matter, pet dander. Spray, wait 1 minute, and wipe excess. Allow to air dry. **FUNGICIDE: To Kill Fungus on Hard, Non-Porous Surfaces:** Remove visible surface dirt by cleaning. Apply VITAL OXIDE to the surface until thoroughly wet for 10 minutes. Re-apply when cleaning or when new growth appears. For effective control of the fungus *Trichophyton interdigitale*, the surface must be completely wet with product for 10 minutes. **MILDEWSTAT: For Mold or Mildew on Floors, Walls, Ceilings & Fabric:** Remove as much surface dirt, mold, or mildew as possible by cleaning. Then spray on VITAL OXIDE from a distance of 12 inches until visibly wet and let air dry, the surface must be completely wet with product for 10 minutes. **TO SANITIZE FOOD CONTACT SURFACES:** *Staphylococcus aureus* (ATCC 6538) and *Escherichia coli* (ATCC 11229) 99.999% sanitization of food contact surfaces. Mix 1 part VITAL OXIDE to 5 parts tap water. For all food contact surfaces, including glassware, utensils, cookware, and dishware: Scrape and prewash, then wash with a good detergent. Rinse with potable water, then sanitize by immersion in product for 1 minute (or longer if specified by government sanitary code). Place on a rack or drain board to air dry. Do not rinse or wipe. **Food Contact Immoblie Surfaces:** (food processing equipment, counter tops, tables, appliances) Remove all gross food particles and soil by cleaning and rinse with potable water. Apply product by wetting thoroughly with spray, sponge, mop, or by immersion in solution and let stand for 1 minute (or longer if specified by government sanitary code). Let surfaces drain and air dry. Do not rinse or wipe. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted. **TO SANITIZE CARPET:** For synthetic carpet fibers such as nylon, olefin, or polypropylene - not intended for use on wool carpets. Test for color fastness in an inconspicuous area. Carpet should be clean or free of excessive soil before applying. Mix 1 part VITAL OXIDE to 5 parts water. Use full strength. Apply at a rate of 2.5 oz per sq. ft. Product must come into contact with contaminate to work. Allow to dwell for 60 minutes. Do not rinse, use an extraction wand and dry stroke carpet to remove excess moisture. Carpet can air dry or fans may be used if carpet needs to dry faster. **To Spot Clean & Sanitize:** Spray a light even coating on soiled area until wet. Allow to remain wet for 60 minutes. Gently blot area with a clean, damp, color-safe cloth. Repeat as needed for stubborn stains. Let air dry. **TO SANITIZE CARPET USING A DEVICE:** See Manufacturer's Instructions for Use. **TO SANITIZE SOFT SURFACES BY SPOT TREATMENT:** \* Fabrics\*: Hold bottle upright 6" - 8" from surface. Spray until fabric is wet. Do NOT SATURATE. Let stand for 5 minutes. Allow to air dry. For difficult odors or heavy fabrics, repeat application. Visible soil must be removed prior to sanitizing. Fabric and Carpet advisory statement: Before you clean, test a small, hidden area for colorfastness and examine when dry. If color is affected, do not use. Before using this product on upholstery, look for manufacturer's cleanability code tag. Do not use on cotton or cotton blends. Not for use on clothing. **TO USE AS A PRECLEANER OR POSTCLEANER:** Spray a light even coating over soiled area (until wet). Allow to remain wet for 60 minutes. Deep clean following your machine's guide. **TO SANITIZE NON-FOOD CONTACT HARD NON-POROUS SURFACES:** *Staphylococcus aureus* (ATCC 6538) and *Klebsiella aerogenes* (ATCC #13048) Mix 1 part VITAL OXIDE with 9 parts water. Apply product as a one-step cleaner sanitizer (5% organic soil load) by wetting thoroughly with spray, sponge, mop, or by immersion in solution and let stand 5 minutes. Wipe and allow to air dry. No rinse required. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted.

**HOSPITALS/HEALTHCARE FACILITIES:** VITAL OXIDE cleans, disinfects and deodorizes hard, nonporous hospital and medical surfaces in one step with no rinsing required. VITAL OXIDE is a one step germicidal disinfectant cleaner and deodorant designed for general cleaning and disinfecting of hard, nonporous inanimate surfaces, when use-directions for disinfection are followed. Removes dirt, grime, fungus, mold, food residue, blood and other organic matter commonly found in hospitals and in health care facilities. It also eliminates odors leaving restroom surfaces smelling clean and fresh. Use where odors are a problem.

**\*\*This product is not to be used as a terminal sterilant/high level disinfectant on any surface of instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contact intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.**

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATIONS AGAINST HIV-1, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. KILLS HIV-1, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Human Hepatitis B Virus, and Human Hepatitis C Virus. When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal. CONTACT TIME: Allow surfaces to remain wet for 5 minutes for virus inactivation.

**STORAGE AND DISPOSAL:** Store in original closed container in a cool, dry, place away from heat and open flame. Do not allow product to become overheated in storage. Avoid prolonged storage temperature above 40°C, 90°F and away from direct sunlight. This may cause increased degradation of the product, which will decrease product effectiveness. Refill only with this product. Do not reuse or refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container. Do not transfer with metal drum pumps. Container Disposal: Rinse and offer empty container for recycling. If recycling is not available, discard container in trash. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Discard excess or used (product) solution in drain with running water.

**FIRST AID. IF IN EYES:** Hold eye open and rinse slowly with water 15-20 mins. Remove contact lenses after first 5 mins. and continue rinsing. Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment.

**\*When used according to directions for disinfection, \*refer to the appropriate claims and use directions for this application.**

**^equipment should be allowed to come to room temperature prior to treatment**  
EPA Reg. No. 82972-1 EPA Est. No. 92967-GA-001; EPA Est. No. 85804-NC-1; EPA Est. No. 45745-TN-2 (See batch code for actual establishment number), NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no other warranties associated with sale of the product.

Manufactured by:

**VitalSOLUTIONS, LLC**

P.O. Box 9932, West Palm Beach, FL 33419

Customer Service: 1-800-303-5405

[www.vitaloxide.com](http://www.vitaloxide.com)





# BOTANICAL DISINFECTANT SOLUTION

EPA Reg No: 87742-1-92595



## FEATURES

- US EPA registered broad-spectrum disinfectant
- Kills 99.9% of bacteria, viruses\*, fungi & molds
- Kills SARS-CoV-2 virus (COVID-19) in just 1 minute on hard, nonporous surfaces
- One-step hospital disinfectant<sup>1</sup> and cleaner
- Kills cold & flu viruses<sup>‡</sup>
- Kills Norovirus\* in just 4 minutes
- Bactericidal, Virucidal\*, Tuberculocidal, and Fungicidal
- Disinfect<sup>1</sup>, sanitize, clean, and deodorize
- No rinse required, even on food contact surfaces
- Sanitizes soft surfaces in just 2 minutes
- Eliminates 99.9% of most allergens<sup>§</sup> upon contact
- Formulated for use with mechanical, manual, or battery/power operated sprayers
- Non-abrasive and non-corrosive
- Non-flammable—no harsh chemical residue
- Cleans and disinfects<sup>1</sup> without bleaching
- Free from chlorine and phosphates
- No personal protective equipment (PPE) needed
- Heavy duty cleaner and disinfectant<sup>1</sup>
- Ready-to-use formula
- Formulated with patented technology
- Disinfect large areas faster with Electrostatic Sprayers

**U.S. EPA REGISTERED / NO HARSH CHEMICAL RESIDUE  
NPE-FREE / NON-FLAMMABLE / BOTANICALLY DERIVED ACTIVE  
NON-CORROSIVE**

## RECOMMENDED FOR USE ON

- Cell Phones
- Computer Screens
- TV Screens
- Telephones
- Keyboards
- Workstations
- Countertops
- Appliance Exteriors
- Trash Cans
- Walls
- Windows
- Floors
- Hard, Nonporous Surfaces
- Mirrors
- Hard Sporting Equipment
- Cups/Helmets
- Examination Tables
- Patient Chairs
- Tables
- Doors
- Baby Furniture
- Cribs & Highchairs
- Restoration
- Metal
- Glazed Ceramic
- Glazed Porcelain
- Glazed Enamel Surfaces
- Glass
- Sealed Marble
- Steel
- Stainless Steel
- Brass
- Aluminum
- Sealed Concrete
- Plastic
- Polypropylene/Polystyrene/Polyethylene
- PVC
- Glazed Tile
- Sealed Fiberglass



## SANITIZES, DISINFECTS, CLEANS & DEODORIZES

Bioesque's Botanical Disinfectant Solution sanitizes, disinfects<sup>1</sup>, cleans, and deodorizes. On EPA's List N to kill SARS-CoV-2 (COVID-19). **Tested and approved to use with Electrostatic Sprayers with a particle size ≥40 microns in diameter**

AVAILABLE IN: 3 OZ, 1 QUART, 1 GALLON, 5 GALLON, 55 GALLON, 275 GALLON TOTE

<sup>1</sup>When used according to disinfection directions  
\*Human Coronavirus<sup>1</sup>, \*Influenza A virus H1N1<sup>1</sup>, \*Respiratory Syncytial Virus (RSV)<sup>1</sup>  
<sup>‡</sup>This product removes the following allergens: dust mite matter, cat dander, dog dander, mouse dander, rat dander, guinea pig dander, cockroach matter, peanut, birch pollen, timothy grass pollen, rag weed pollen.

MADE IN THE USA

Distributed By: NatuReal, LLC 2091 NE 36th St #50548

Lighthouse Point, FL 33074 800.921.4634

bioesquesolutions.com



# BOTANICAL DISINFECTANT SOLUTION

EPA Reg No: 87742-1-92595

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Visibly soiled surfaces require a pre-cleaning.

**TO DISINFECT:** For use on hard non-porous surfaces. Spray to thoroughly wet the surface to be disinfected. Spot test to check compatibility with the surface. Surfaces must remain visibly wet for 2 minutes to kill bacteria and 3 minutes to kill fungi and to kill *M. bovis* BCG (TB) and 1 minute to kill viruses\*. To disinfect Norovirus\*, let stand for 4 minutes. Allow to air dry. If desired, wipe dry. Food must be removed or carefully protected prior to using this product.

**ELECTROSTATIC SPRAYING** – General Directions: Consult User Manual for Electrostatic Sprayer before use. Remove by-standers and pets from the area to be treated. Spray droplet particle size should be set to a limit volume median diameter of  $\geq 40\mu\text{m}$ . Use half face respirator with chemical specific cartridge and N95 filters. Place the electrostatic spray function in the ON position for electrostatic spray models that have the functionality to toggle ON/OFF.

**ELECTROSTATIC SPRAYING** – One-step Cleaner and Disinfectant: To disinfect hard, non-porous surfaces, visibly soiled areas are required to be pre-cleaned. Apply product with electrostatic sprayer to hard, non-porous surfaces. Spray approximately 1 to 2 feet from surfaces; spray for 10 to 15 seconds making sure to wet surfaces thoroughly. All surfaces must remain visibly wet for 2 minutes to kill bacteria and 1 minute to kill viruses\*. To disinfect Norovirus\*, let stand for 4 minutes. When using on food contact surfaces, no rinse is required.

**TO SANITIZE:** Spray to thoroughly wet the surface to be sanitized. Surfaces must remain wet for 30 seconds on hard nonporous surfaces and 2 minutes for soft surfaces. Food must be removed or carefully protected prior to using this product

**TO CLEAN VIA FOGGING:** This product can be applied effectively with a ULV fogger as a supplement to normal cleaning procedures on restoration and remediation projects in confined, vacant areas of schools, healthcare facilities, and in HVAC systems as well other vacant, indoor areas. It is effective for pre-cleaning or as a supplement to final cleaning. Note: These use directions are for cleaning only. Efficacy data for disinfectant/fogging claims. Do not dilute. This product is ready-to-use in UVL foggers. Seal all doors and windows in the area prior to fogging. After fogging, vacate the treated area during treatment interval as specified by the device manufacturer, and do not re-enter the treated area until all fog has settled or been exhausted. After treatment interval, ventilate the treated area until the air is purged of all suspended product. Do not operate equipment in the fogged area until the treatment is dry. When fogging as a pre-treatment, follow the cleaning and disinfection procedures on the product label.

*See label directions and SDS for complete usage and precautions.* The technical data and suggestions for use contained herein are correct to the best of our knowledge and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



**SANITIZING**  
KILLS 99.9%

*Staphylococcus aureus*  
*Enterobacter aerogenes*



**VIRUSES\***  
KILLS 99.9%

\*Swine Influenza A (H1N1 Virus)  
\*HIV-1 AIDS Virus  
\*Human Coronavirus†  
\*Respiratory Syncytial Virus (RSV)†  
\*SARS-CoV-2 virus (COVID-19)



**BACTERIA**  
KILLS 99.9%

*Staphylococcus aureus* (Staph)  
*Salmonella enterica* (Salmonella)  
*Pseudomonas aeruginosa* (*Pseudomonas*)  
*Listeria monocytogenes* (*Listeria*)  
*Escherichia coli* (*E. coli*)  
*Escherichia coli* (*E. coli* O157:H7)  
*Streptococcus suis* (*Streptococcus*)  
*Vancomycin-Resistant Enterococcus* (VRE)  
*Methicillin-Resistant Staphylococcus Aureus* (MRSA)  
*Klebsiella pneumoniae*  
3 Minute Kill Time:  
*Mycobacterium Bovis* BCG (TB; Tuberculosis)



**FUNGI & MOLDS**  
KILLS 99.9%

*Trichophyton interdigitale*  
(Athlete's Foot Fungus)  
*Candida albicans*



**VIRUSES\***  
KILLS 99.9%

\*Norovirus



**SANITIZING**  
KILLS 99.9%

*Staphylococcus aureus*  
*Enterobacter aerogenes*

MADE IN THE USA

Distributed By: NatuReal, LLC 2091 NE 36th St #50548

Lighthouse Point, FL 33074 800.921.4634

[bioesquesolutions.com](http://bioesquesolutions.com)

# SAFETY DATA SHEET

## SECTION 1 : PRODUCT IDENTIFICATION



**Product Name :** Bioesque Botanical Disinfectant Solution

**Product Use :** Surface Disinfectant

**Scent:** Lemongrass Grapefruit

Supplier: Natureal, LLC

Address: 150 East Palmetto Park Road, Suite 150, Boca Raton, FL 33432

Telephone: 954-895-7867

Emergency phone: (866) 898-0697

E-Mail: [info@bioesquesolutions.com](mailto:info@bioesquesolutions.com)

Web site: [www.bioesquesolutions.com](http://www.bioesquesolutions.com)

## SECTION 2 : HAZARD IDENTIFICATION

**WHMIS Class :** Exempt

**TSCA:** All the ingredients are listed or exempt from listing on the Chemical Substance Inventory.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
Thymol	89-83-8	0.23	N/A	N/A	980 mg/Kg (oral, rat)

## SECTION 4 : FIRST AID MEASURES

**Eye:** Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open.

**Skin:** Rinse with water. Remove spoiled clothes and wash before wearing.

**Inhalation :** N/A

**Ingestion:** Seek medical attention if large quantities are ingested.

## SECTION 5 : FIRE FIGHTING MEASURES

**Flammability :** No

**Flash Point (ASTM D-93, °C) :** >100

**Hazardous Combustion Products:** Carbon oxides, sulfur oxides.

**Suitable extinguishing media:** As per surrounding fire.

**Special Fire Fighting Procedure:** As per surrounding fire.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Stop leak, Rinse to drain or absorb with non-reactive adsorbent and dispose according to existing federal, state, provincial and municipal regulations. Resume cleaning by rinsing with water.

## SECTION 7 : HANDLING AND STORAGE

**Handling:** Follow standard safe handling of materials. Keep out of reach of children.

**Storage Requirements:** Keep in original tightly closed containers, in a room below 30 °C.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Follow standard safe handling of materials.

## SECTION 9 : PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) : 100  
Vapor Pressure (mm Hg) : N/A  
Vapor Density (Air = 1) : N/A  
Solubility in water : complete  
Physical State : liquid  
Appearance: transparent to translucent  
Odour: spicy scent

Density (g/mL): 0.999 at 23 °C  
VOC (Wt %) : calculated approx. <1%  
Evaporation Rate (Water + 1) : water like  
pH (as supplied) : 7.0 to 8.5  
Viscosity : water like  
Odour Threshold (ppm) : N/A

## SECTION 10 : STABILITY AND REACTIVITY DATA

**Conditions for Chemical Instability:** This product is stable under normal conditions. It does not polymerize.

**Conditions to Avoid:** Excessive heat.

**Incompatible Materials:** Strong oxidizing agents, strong alkalis, strong acids.

**Hazardous Decomposition Products:** The thermal decomposition can produce carbon and sulfur oxides and other organic substances.

## SECTION 11 : TOXICOLOGICAL INFORMATION

**Routes of Entry:** Eyes, skin, ingestion, inhalation.

### EFFECTS OF ACUTE EXPOSURE :

**Acute Oral Toxicity:** LD50:>5000 mg/Kg (EPA Category IV).

**Acute Dermal Toxicity:** LD50:>5000 mg/Kg (EPA Category IV).

**Acute Inhalation Toxicity:** LC50:>2.01 mg/L (EPA Category IV).

**Acute Eye Irritation:** Minimal, all effects cleared in 24 hours (EPA Category IV).

**Acute Dermal Irritation:** Slight, no erythema or edema at 72 hours (EPA Category IV).

**Skin Sensitization:** Not a sensitizer (EPA Category IV).

Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.

**EFFECTS OF CHRONIC EXPOSURE :**

**Irritancy:** Frequent prolonged contact may result in dry skin, redness and dermatitis.

**Carcinogenicity/Mutagenicity:** No, not predictable.

**SECTION 12 : ECOLOGICAL INFORMATION**

**Biodegradability:** Readily Biodegradable (OECD 301E)

**Aquatic toxicity:** Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24)

**Method:** Microtox® Acute Toxicity Test

**Test organism:** *Vibrio fischeri*

**Results:**

CI 50-5 min	560mg/l
IC 95 %-5 min	500-600 mg/L
CI 50-15 min	660 mg/L
IC 95 %-15 min	540-780 mg/L

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Dispose according to existing federal, state/provincial and municipal regulations. This product is biodegradable.

**SECTION 14 : TRANSPORT INFORMATION**

**D.O.T.** Not regulated as dangerous goods.

Not regulated for **IATA**.

**SECTION 15 : REGULATORY INFORMATION**

U.S. EPA registration: 87742-1-92595

California Proposition 65: No chemicals in this material are subject to the reporting requirements.

NSF Registration No. 157263

**SECTION 16 : OTHER INFORMATION**

SDS Date of preparation/revision: 2018-08-15

Prepared by: LABORATOIRE M2 Inc.

Phone : 1-866-898-0697



Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).



# 360 FIRE & FLOOD

PROPERTY RESTORATION

**READY TO RESPOND**



*RESTORING YOUR BUSINESS WITH INTEGRITY*

## WELCOME PACKAGE

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Dear Future Partner,

Welcome to 360 Fire & Flood! This introduction packet is your key to discovering the restoration solutions we offer. We understand property damage can be stressful, and we're here to support you every step of the way.

## OUR COMMITMENT TO EXCELLENCE & CORE VALUES

360 Fire & Flood is the property restoration partner you want when disaster strikes. We specialize in fire, water, storm, and environmental damage. We are available 24 hours a day, 7 days a week, 365 days a year; coast to coast. We are committed to providing top-quality restoration services with integrity and transparency.



**TEAM  
COMMITMENT**



**RESPECT**



**RELENTLESS  
COMMITMENT TO  
EXCELLENCE**



**HONESTLY/  
INTEGRITY**



**RESPONSIVENESS**

**YOUR TRUSTED  
RESTORATION  
PARTNER**

You are not alone on this journey. Over the years, we've restored countless properties and helped businesses recover. Our experienced team is ready to handle your restoration needs, ensuring your property returns to its pre-loss condition.

**01.**

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ENGAGE 360'S 24/7 NATIONAL EMERGENCY  
HOTLINE – 833-360-3334

**02.**

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360 COLLECTS LOSS INFO TO ALLOCATE  
APPROPRIATE RESOURCES

**03.**

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360'S OPERATION TEAM DISPATCHES EMERGENCY CREWS

**04.**

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MOBILIZE RESOURCES

**05.**

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SAFELY STABILIZE AND MITIGATE PROPERTY FROM  
SECONDARY DAMAGE

**06.**

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ASSESS DAMAGE & DEVELOP RECONSTRUCTION  
REPAIR SCOPE

**07.**

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TRANSPARENT COMMUNICATION THROUGHOUT PROJECT

**08.**

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PROJECT COMPLETED – FINAL INSPECTION &  
SIGNED SATISFACTION OF WORK COMPLETED





# COMMERCIAL

# RESTORATION SPECIALISTS

We are a full-service national disaster restoration company offering over decades of experience in the restoration industry.

As a turnkey solution, our restoration experts understand our clients' business continuity needs. 360 Fire & Flood is an experienced and conscientious restoration company. We are highly skilled in making fiscally responsible decisions while minimizing risk and saving money for our clients. Our customers can expect a personalized boutique approach nationally when working with the 360 Team.

## THE SERVICES WE OFFER

- Natural Disaster Response Team
- Emergency Mitigation
- Water Damage Restoration
- Fire & Smoke Damage Restoration
- Temporary Power & HVAC Services
- General Contracting
- Biohazard/Trauma Cleanup
- Environmental Services
- Mold Remediation
- Pre-loss Assessments
- Consulting Services

## THE INDUSTRIES WE SERVE

- Senior Living
- Student Housing
- Education
- Multi-Family
- Healthcare/Medical Office Buildings
- Hospitality
- Commercial High-Rise
- Industrial/Manufacturing

360 FIRE & FLOOD  
PROPERTY RESTORATION



EMERGENCY HOTLINE: (833) 360-3334



WWW.360FIREFLOOD.COM



# FIRE & SMOKE

# DAMAGE RESTORATION

At 360 Fire & Flood, we understand the devastating effects of fire and smoke damage on commercial properties. Our team of experienced professionals is dedicated to restoring your property to its pre-loss condition as quickly and efficiently as possible by using the latest tools and technology to get the job done effectively.

## FIRE & SMOKE DAMAGE SERVICES

- 24/7 Emergency Response & Mobilization
- Emergency Board-up
- Structural Stabilization & Cleaning
- Soot & Smoke Removal
- Odor Control & Deodorization
- Building & Reconstruction Teams

## WHY CHOOSE US

- 24/7 Immediate Mobilization & Response
- IICRC Certified Technicians
- Advanced Technology & Equipment
- Comprehensive Insurance & Claims Support
- Transparent Communication

When you need fire and smoke restoration services, look no further than 360 Fire & Flood. We're here to help you every step of the way. Call us anytime, we are available 24/7 for your emergency needs.

360 FIRE & FLOOD  
PROPERTY RESTORATION



EMERGENCY HOTLINE: (833) 360-3334



WWW.360FIREFLOOD.COM



# MOLD REMEDIATION SPECIALISTS

Mold is a serious issue that can cause significant damage to your property and put the health of occupants at risk. If your building has been exposed to water damage, it's susceptible to mold growth. At 360 Fire & Flood, we understand the urgency of addressing mold issues and are here to help.

## THE SERVICES WE OFFER

- Structural Drying & Dehumidification
- Engineering Parameters between Affected and Unaffected Areas
- HEPA Filtration & Negative Air Pressure
- Cleaning & Decontamination
- Disposal of Contaminated Materials
- Anti-Microbial Application
- Third-Party Pre & Post Air Quality Testing

We understand the importance of acting quickly to avoid long-term risks and air quality issues. Therefore, our team is trained and certified to follow ANSI/IICRC S520 practices to ensure mold is removed quickly and effectively, preventing further damage.

Let us be your first line of defense against mold concerns. We are available 24/7 when you need us most.

360 FIRE & FLOOD  
PROPERTY RESTORATION



EMERGENCY HOTLINE: (833) 360-3334



WWW.360FIREFLOOD.COM



# NATURAL DISASTER RESPONSE TEAM

When a natural disaster strikes, the damage to your business can be devastating and disruptive. Not only can it disrupt your business operations, but it can also risk the safety of your employees and customers. At 360 Fire & Flood, we offer comprehensive emergency planning restoration services to help you continue your business operations.

## OUR TEAM OF FIRST RESPONDERS ARE AVAILABLE 24/7/365, TO RESPOND TO ANY SIZE EMERGENCY AND PROVIDE THE FOLLOWING SERVICES:

- **Emergency Response:**  
We understand the urgency of disaster response and respond quickly to minimize damage and protect your property.
- **Emergency Cleanup:**  
We use advanced techniques and equipment to remove debris, clean up the damage, and prevent further loss.
- **Damage Assessment:**  
Our team will assess the damage and provide you with a detailed estimate outlining the scope of work required to restore your business.
- **Emergency Repair:**  
We quickly secure your property and make temporary repairs to prevent further damage and enhance property protection.

Our restoration process is designed to minimize disruptions to your business operations and get you back in business as soon as possible. We understand the importance of your business and provide industry-leading equipment, staff, and expertise to handle any catastrophic disaster that may happen to your property. When disaster strikes, trust 360 to restore your business.

360 FIRE & FLOOD  
PROPERTY RESTORATION



EMERGENCY HOTLINE: (833) 360-3334



WWW.360FIREFLOOD.COM



**360 FIRE & FLOOD**  
PROPERTY RESTORATION

# WATER DAMAGE RESTORATION

The disastrous effects of water damage can be overwhelming and extremely destructive. If left untreated, excessive moisture in a building can cause further structural damage and harmful health risks.

At 360 Fire & Flood, we mitigate damages quickly and professionally to minimize risk and damages.

We know each water damage restoration project is unique. 360 is ready to act immediately to assess the damage, extract water, and restore the property back to its pre-loss condition.

## WATER MITIGATION SERVICES

- 24/7 Emergency Response & Mobilization
- Water Damage Mitigation
- Water Extraction
- Drying and Dehumidification
- Desiccant/Refrigerant Drying
- Antimicrobial Application
- Moisture Mapping
- Document Recovery
- Electronic & Data Recovery
- Temporary Power

## WHY CHOOSE US

- 24/7 Immediate Mobilization & Response
- IICRC Certified Technicians
- Advanced Technology & Equipment
- Comprehensive Insurance & Claims Support
- Transparent Communication

360 FIRE & FLOOD  
PROPERTY RESTORATION



EMERGENCY HOTLINE: (833) 360-3334



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HAVE QUESTIONS?  
CONTACT US  
TODAY



## CONTACT INFORMATION

Don't let catastrophe overwhelm you or your business. At 360 Fire & Flood, we partner with you to provide world-class restoration and emergency services for any project, big or small.

If you have an emergency, please call **833-360-3334**

### CORPORATE OFFICE



22310 Telegraph Rd, Southfield, MI 48033



833-360-3334



info@360fireflood.com