

Item # 9200230

SBC-HCL917



Material Safety Data Sheet

KIK INTERNATIONAL

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Pure Bright Germicidal Bleach
Manufacturer:	KIK International 2921 Corder Street Houston Texas 77054
Contact Number:	Tel: 713 747-8710
24 Hour Emergency Contact:	Tel: 1 800 424-9300
Prepared By:	KIK International Laboratory
Replaces Date:	October 14, 2004
Date Last Revised:	January 17, 2005

Section 2 Hazardous Ingredients

Name	%	CAS#	LD50/LC50
Sodium Hypochlorite	5 - 6	007681-52-9	N Av./N Av

Section 3 Physical Data

State	Liquid	PH	12.75
Appearance	Clear Colorless	% Volatile	93% Approx.
Odor	Chlorine/	Boiling Point	100°C
Specific Gravity	1.075	Vapor Pressure	N Av
Solubility	100%		

Section 4 Fire & Explosion

Flammable:	YES	NO X
Means of Extinction:	Water, Carbon Dioxide, Dry Chemical or Foam	
Special Procedures:	Fire fighters should wear self-contained breathing apparatus.	
Flash Point: & Method:	Not Applicable	
Hazardous Combustion Products:	Chlorine Gas.	

Section 5 Reactivity Data

Chemical Stability:	YES	X	NO
Conditions:	Temperature above 40 °C, sunlight and metals,		
Incompatibility:	YES	X	NO
What Substances:	Acids, ammonia, urea, metals & oxidizers.		
Reactivity / Conditions:	Not Applicable		
Hazardous Decomposition Products:	Chlorine gas released by contact with acids. Contact with ammonia or urea produces nitrogen gas and chloramines. Oxygen is released on contact with metals.		

Pure Bright Germicidal Bleach

Section 6 Toxicological Properties

Route of Entry

Skin Contact	X	Skin Absorption	Eye Contact	X
Inhalation Acute	X	Inhalation Chronic	Ingestion	X

Effects of Acute Exposure: Inhalation of vapors will irritate breathing passages and may cause breathing difficulty. CORROSIVE will cause severe irritation to eyes and skin. May cause permanent damage if not treated properly. Ingestion will cause burning sensation in mouth, throat and stomach.

Effects of chronic exposure: None Known.

Carcinogenicity Reproductive Effects: Teratogenicity Mutagenicity no known effects

Section 7 Preventative Measures

Protective Equipment

Gloves: Not Normally Required

Eyes: Safety Glasses

Respiratory: Not normally required

Footwear: Not Applicable

Section 8 First Aid Measures

Skin: Wash with soap and water

Eyes: Flush eyes with cool running water, holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.

Inhalation: Move to fresh air and restore breathing, if required.

Ingestion: DO NOT INDUCE VOMITING! Drink large amounts of water or milk. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.

General Advice: If irritation persists see a doctor immediately.

Section 9 Regulatory Information

HMIS Rating:

Health Hazard	1
Fire Hazard	0
Reactivity	2

DOT: "Not Regulated"

As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, is made concerning this product. The information contained herein is offered only as a guide to the handling of this specific material and is not intended to be all-inclusive in the manner and conditions of use and handling. The user assumes all risks of use or handling, whether or not in accordance with any directions or suggestions of the manufacturer. Manufacturer shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our product.

SAFETY DATA SHEET

Citrus Chisel

Section 1. Identification

GHS product identifier : Citrus Chisel
 Other means of identification : Not available.
 Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation
 1001 Brown Avenue
 Toledo, OH 43607
 www.betco.com
 888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

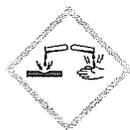
Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 1
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves: > 8 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: splash goggles. Wear protective clothing. Wash hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
 Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
 Product code : 167

Ingredient name	%	CAS number
sodium hydroxide	≥1 - <3	1310-73-2
Silicic acid, sodium salt	≥1 - <3	1344-09-8
tetrasodium ethylene diamine tetraacetate	≥1 - <3	64-02-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe burns.

Section 4. First aid measures

Over-exposure signs/symptoms

- Eye contact : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation : No specific data.
- Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion : Adverse symptoms may include the following:
stomach pains

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

- Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments : No specific treatment.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media : None known.

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

- Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. 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.

Section 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.
- 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 information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
sodium hydroxide	ACGIH TLV (United States, 4/2014). C: 2 mg/m ³ OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m ³ NIOSH REL (United States, 10/2013). CEIL: 2 mg/m ³ OSHA PEL (United States, 2/2013). TWA: 2 mg/m ³ 8 hours.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: splash goggles

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved 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.

Personal protective equipment (Pictograms) :



Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Orange. [Dark]

Odor : Fruity.

Odor threshold : Not available.

pH : 13 to 14

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: Not applicable. [Product does not sustain combustion.]

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive : Not available

Section 9. Physical and chemical properties

Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.04269
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: acids
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Silicic acid, sodium salt	LD50 Oral	Rat	1960 mg/kg	-
tetrasodium ethylene diamine tetraacetate	LD50 Oral	Rat	10 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
sodium hydroxide	Eyes - Severe irritant	Monkey	-	24 hours 1 Percent	-
	Eyes - Mild irritant	Rabbit	-	400 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
	Skin - Mild irritant	Human	-	24 hours 2 Percent	-
Silicic acid, sodium salt	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 10 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-

Section 11. Toxicological information

	Skin - Moderate irritant	Rabbit		24 hours 500 milligrams	
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Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal.
Routes of entry not anticipated: Inhalation.

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe burns.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Ingestion : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

- General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	19119.7 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
sodium hydroxide	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
Silicic acid, sodium salt	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Chronic NOEC 56 mg/l Marine water	Fish - Poecilia reticulata - Young	96 hours
	Acute EC50 0.4 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
tetrasodium ethylene diamine tetraacetate	Acute LC50 494000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 486000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
tetrasodium ethylene diamine tetraacetate	5.01	1.8	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction

Section 13. Disposal considerations

when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1760	UN1760	UN1760	UN1760	UN1760	UN1760
UN proper shipping name	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)
Transport hazard class(es)	8 	8 	8 	8 	8 	8 
Packing group	II	II	II	II	II	II
Environmental hazards	No.	No.	No.	Yes.	Yes.	No.
Additional information	Reportable quantity 46187.2 lbs / 20969 kg [5312.6 gal / 20110.5 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. Limited quantity Yes.	Explosive Limit and Limited Quantity Index 1	-	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Tunnel code (E)	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 4(a) proposed test rules:** Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
 Not determined.
Clean Water Act (CWA) 311: sodium hydroxide

Clean Air Act Section 112 : Not listed
 (b) Hazardous Air
 Pollutants (HAPs)

Clean Air Act Section 602 : Not listed
 Class I Substances

Clean Air Act Section 602 : Not listed
 Class II Substances

DEA List I Chemicals : Not listed
 (Precursor Chemicals)

DEA List II Chemicals : Not listed
 (Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
sodium hydroxide	≥1 - <3	No.	No.	No.	Yes.	No.
Silicic acid, sodium salt	≥1 - <3	No.	No.	No.	Yes.	No.
tetrasodium ethylene diamine tetraacetate	≥1 - <3	Yes.	No.	No.	Yes.	No.

State regulations

Massachusetts : The following components are listed: Sodium Hydroxide Solution

New York : The following components are listed: Sodium hydroxide

New Jersey : The following components are listed: Sodium Hydroxide Solution

Pennsylvania : The following components are listed: Sodium Hydroxide Solution

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Section 15. Regulatory information

International lists

National inventory

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.

Section 16. Other information

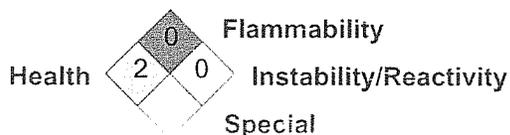
Hazardous Material Information System (U.S.A.)

	*	2
Flammability		0
		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Skin Corr. 1, H314	On basis of test data
Eye Dam. 1, H318	On basis of test data

History

Date of printing	: 3/31/2015.
Date of issue/Date of revision	: 3/31/2015.
Date of previous issue	: No previous validation.

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

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.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Item # 9201830

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Product # 1P-4101
 Product Name Deluxe Lemon Laundry Detergent Powder
 Product Code Powdered Detergent
 Distributor Name Midlab, Inc.
 Distributor Address 140 Private Brand Way
 Athens, TN 37303
 Emergency Phone # 1-800-525-5053 Intraac 24 hours
 Date Prepared/Updated 5-8-11
Hazardous Material Information System (HMIS)
 Health 1
 Fire Hazard 0
 Reactivity 0
 Precautionary Label Statements Caution

Section 2. Composition and Information on Ingredients

Ingredients	CAS#	%	Exposure Limits
Sodium Carbonate	497-19-8	30-40	Not Listed
Sodium Chloride	7647-14-5	30-40	Not Listed
Sodium Metasilicate	6834-92-0	20-30	Not Listed
Nonylphenoxypolyethoxyethanol	68412-54-4	<10	Not Listed
Sodium Dodecylbenzenesulfonate	25155-30-0	<5	25 ppm

Section 3. Hazards Identification

Route of Entry Eyes
 Potential Acute Health Effects None known

Section 4. First Aid Measures

Eye Contact: Flush immediately with water for 15 minutes being careful to flush behind the eyelids. Seek medical attention if irritation persists or develops.
Inhalation: No harmful effects expected.
Skin Contact: No harmful effects expected. Prolonged or repeated contact may dry skin and cause irritation. Immediately drink plenty of water. If discomfort persists, get medical attention.
Ingestion: Immediately drink plenty of water. If discomfort persists, get medical attention.

Section 5. Fire Fighting Measures

Flammable: None (not flammable)
Fire Fighting Media and Instructions: Extinguish with water spray or carbon dioxide; dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
Unusual Fire and Explosion Hazards: None known

Section 6. Accidental Release Measures

Personal Precautions: Put on appropriate personal protective equipment (see section 8).
Environmental Precautions: In the event of major spillage: Use appropriate containment to avoid environmental contamination. Collect spilled material. Place in suitable clean, dry containers for disposal by approved methods. Use a water hose for final clean up.

Section 7. Handling and Storage

Handling: Avoid contact with eyes. Use appropriate hygiene methods when handling product. For industrial use only.
Storage: Store in a cool well ventilated area. Protect from freezing. Keep out of reach of children.

Section 8. Exposure Controls & Personal Protection

Engineering Controls: None usually needed. General room ventilation is adequate.
Personal Protection:
 Eyes: No special requirements under normal use conditions.
 Hands: No special requirements under normal use conditions.
 Respiratory: No special requirements under normal use conditions.
 Additional Measures: No special requirements under normal use conditions.
 Listed Carcinogens: No ingredients listed by NTP, IARC or OSHA Subpart Z.
 Medical Condition Aggravated: Persons with pre-existing skin disorders may be susceptible to irritating effects.

Section 9. Physical and Chemical Properties

Fragrance: Lemon
 Physical State Powder
 Color: Yellow
 1% pH: 11.5-12.0
 Specific Gravity: 1.13
 Boiling/Condensation Point: Not Determined
 Melting/Freezing Point: Not Determined
 Solubility in Water: Moderate at 25°C

Section 10. Stability and Reactivity

Stability and Reactivity: Stable
 Conditions of Instability: None known
 Incompatibility with Various Substances: When exposed to fire: Produces normal products of combustion. Will not occur.
 Decomposition Products: None known

Section 11. Toxicological Information

Effects of Chronic Exposure: None known

Section 12. Ecological Information

Section 12. Ecological Information: None known
 Section 13. Disposal Considerations: Dispose of all wastes according to all federal, state and local legislation.

Section 14. Transport Information

DOT Classification: Not Non-Hazardous

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

U.S. Regulation: Not Regulated.
 Federal: Not Regulated.
 State: Not Regulated.
 Registered Product Information: Not EPA Registered.

SARA Section 312:

Immediate (Acute) Health

SARA Section 313: Toxic Release Inventory Reporting

The reportable quantity for Sodium Dodecylbenzenesulfonate is 5000 lbs. per CERCLA.

Section 16. Other Information:

TSCA STATUS: All ingredients of this product are listed on the TSCA inventory.

Other Special Considerations:

None reported.

Manufacturer:

Midlab, Inc.
 140 Private Brand Way
 Athens, TN 37303

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and must comply with all federal, state, provincial and local laws and regulations.

Product #4101

4101



SAFETY DATA SHEET

Item # 9203430

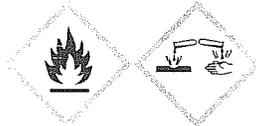
1. Identification

Product number 1000010930
 Product identifier **GRILL & OVEN CLEANER**
 Company information Claire Manufacturing Co.
 1005 S. Westgate Drive
 Addison, IL 60101 United States
 Company phone General Assistance 1-630-543-7600
 Emergency telephone US 1-866-836-8855
 Emergency telephone outside US 1-952-852-4646
 Version # 01
 Recommended use Cleaner
 Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
 Health hazards Skin corrosion/irritation Category 1A
 Serious eye damage/eye irritation Category 1
 Environmental hazards Not classified.
 OSHA defined hazards Not classified.

Label elements



Signal word Danger
 Hazard statement Extremely flammable aerosol. Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Diethylene Glycol Monobutyl Ether		112-34-5	2.5 - 10
Propane		74-98-6	2.5 - 10

Chemical name	Common name and synonyms	CAS number	%
Sodium Hydroxide		1310-73-2	2.5 - 10
Butane		106-97-8	1 - 2.5
Other components below reportable levels			60 - 80

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. For minor skin contact, avoid spreading material on unaffected skin.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Corrosive effects. May cause temporary blindness and severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Carbon dioxide (CO2). Dry chemical powder.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Scoop up used absorbent into drums or other appropriate container. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not get in eyes, on skin, on clothing. Use only in well-ventilated areas. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in original tightly closed container. Refrigeration recommended. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m ³ 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	PEL	2 mg/m ³

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Butane (CAS 106-97-8)	STEL	1000 ppm	
Diethylene Glycol	TWA	10 ppm	Inhalable fraction and vapor.
Monobutyl Ether (CAS 112-34-5)			
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m ³	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m ³ 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m ³ 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Hand protection

Wear protective gloves.

Skin protection

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Do not get this material on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Clear.
Physical state	Gas.
Form	Aerosol.
Color	Colorless.
Odor	Characteristic.
Odor threshold	Not available.
pH	12.6 - 13.6 estimated
Melting point/freezing point	Not available.
Initial boiling point and boiling range	243.34 °F (117.41 °C) estimated
Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1.9 % estimated
Flammability limit - upper (%)	9.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	70 - 90 psig @70F estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	1.066 - 1.086 estimated

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Acids. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Causes digestive tract burns.
Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns.
Eye contact	Causes severe eye burns. Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Burning pain and severe corrosive skin damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity Irritating to respiratory system.

Components	Species	Test Results
Butane (CAS 106-97-8)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	2 ml/kg, 2 Days
	Rabbit	2764 mg/kg, 24 Hours
<i>Oral</i>		
LD100	Rabbit	4000 mg/kg
LD50	Guinea pig	2000 mg/kg
	Mouse	2410 mg/kg
	Rabbit	2500 - 3000 mg/kg
	Rat	3306 mg/kg
Propane (CAS 74-98-6)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h
Sodium Hydroxide (CAS 1310-73-2)		
Acute		
<i>Dermal</i>		
LD50	Rat	1350 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes severe skin burns and eye damage. Causes skin burns.

Serious eye damage/eye irritation Causes severe eye burns. Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	1300 mg/l, 96 hours
Sodium Hydroxide (CAS 1310-73-2)			
Aquatic			
Crustacea	EC50	Water flea (<i>Ceriodaphnia dubia</i>)	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Fish	45, 96 Hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Butane	2.89
Diethylene Glycol Monobutyl Ether	0.56
Propane	2.36

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14. Transport information

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN number UN1950
UN proper shipping name Aerosols, flammable, containing substances in Class 8, Packing Group III
Transport hazard class(es)
 Class Forbidden
 Subsidiary risk Forbidden
 Label(s) Forbidden
Packing group Not applicable.
Environmental hazards No.
ERG Code 10C
Special precautions for user Read safety instructions. SDS and emergency procedures before handling.
Other information
 Passenger and cargo aircraft Allowed.
 Cargo aircraft only Allowed.
Packaging Exceptions Forbidden

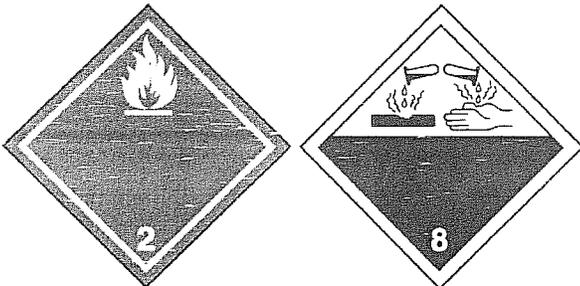
IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)
 Class 2.1
 Subsidiary risk 8
 Label(s) 2.1, 8
Packing group Not applicable.
Environmental hazards
 Marine pollutant No.
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT



IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	Pressure Hazard - Yes
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No**SARA 313 (TRI reporting)**
Not regulated.**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Hydroxide (CAS 1310-73-2)

US. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Hydroxide (CAS 1310-73-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Hydroxide (CAS 1310-73-2)

US. Rhode Island RTK

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Sodium Hydroxide (CAS 1310-73-2)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 05-29-2015

Version # 01

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

#9203830

Revision Date 14-Apr-2015

Version 1

1. IDENTIFICATION

Product identifier

Product Name Pure Bright Clear Ammonia

Other means of identification

Product UPC 59647-21012

Product Code 19703575033

Recommended use of the chemical and restrictions on use

Recommended Use Consumer use. Cleaning agent.

Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet

Manufacturer Address

KIK International LLC
33 Macintosh Blvd.
Concord, Ontario
Canada L4K 4L5
1-800-479-6603

Emergency telephone number

Emergency Telephone Poison Control Center (Medical) : (866) 366-5048
Chemtel (Transportation) 1-888-255-3924

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

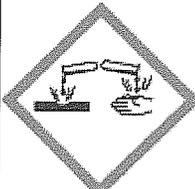
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label elements

Emergency Overview

Danger

Hazard statements
Causes severe skin burns and eye damage



Color colorless **Physical state** liquid **Odor** Ammonia

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Keep out of reach of children. Store in a well-ventilated place. Store in a closed container.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

0.17727% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No.	Weight-%
Ammonia	7664-41-7	1 - 3

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. If symptoms persist, call a physician.
Inhalation	Remove to fresh air.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.
Self-protection of the first aider	Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical
 No information available.

Explosion data
 Sensitivity to Mechanical Impact None.
 Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible materials Chlorine-based bleaching agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m ³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m ³	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m ³ STEL: 35 ppm STEL: 27 mg/m ³

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	clear	Odor	Ammonia
Color	colorless	Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11.5-12.0	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	0.99 - 1.00	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Density	No information available	
Bulk density	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available

10. STABILITY AND REACTIVITY

Reactivity
 No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Do not mix with other chemicals. Extremes of temperature and direct sunlight.

Incompatible materials

Chlorine-based bleaching agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes. May cause burns.
Skin contact	Avoid contact with skin. May cause burns.
Ingestion	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonia 7664-41-7	= 350 mg/kg (Rat)	-	= 2000 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Eyes, Respiratory system, Skin.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

0.20766% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ammonia 7664-41-7	-	0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static	25.4: 48 h Daphnia magna mg/L LC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Chemical Name	Partition coefficient
Ammonia 7664-41-7	-1.14

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Ammonia - 7664-41-7	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No

Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonia 7664-41-7	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonia 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ammonia 7664-41-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number This product does not contain any substances regulated as pesticides

Difference between SDS and CPSC label

This product is regulated under Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act (16 CFR Part 1500) . These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace product labels.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection B

Prepared By Regulatory Affairs
 Revision Date 14-Apr-2015
 Revision Note No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Item # 9204230

PUREX INDUSTRIAL -- INSTITUTIONAL BAB-O CLEANSER WITH BLEACH, P-7520
MATERIAL SAFETY DATA SHEET
NSN: 793000N042208
Manufacturer's CAGE: 61102
Part No. Indicator: A
Part Number/Trade Name: INSTITUTIONAL BAB-O CLEANSER WITH BLEACH, P-7520

=====
General Information
=====

Company's Name: PUREX INDUSTRIAL
Company's Street: 7300 BOLSA AVE
Company's City: WESTMINSTER
Company's State: CA
Company's Country: US
Company's Zip Code: 92648-3600
Company's Emerg Ph #: 614-387-6200
Company's Info Ph #: 714-890-3600
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01JAN90
Safety Data Review Date: 30AUG95
MSDS Preparer's Name: KYLE ITO
Preparer's Company: SAME
MSDS Serial Number: BSTDB
Hazard Characteristic Code: J6

=====
Ingredients/Identity Information
=====

Proprietary: NO
Ingredient: SILICA, CRYSTALLINE - QUARTZ; (SILICA FLOUR (SILICON DIOXIDE))
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: 0.1 MG/M3 RDUST
ACGIH TLV: 0.1 MG/M3 RDUST

Proprietary: NO
Ingredient: SODIUM CARBONATE (2:1)
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: VZ4050000
CAS Number: 497-19-8
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: BENZENE SULFONIC ACID, DODECYL-, SODIUM SALT; (SODIUM LINEAR DODECYLBENZENE SUFFONATE) (SARA III)
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: DB6825000
CAS Number: 25155-30-0
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: S-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE,1,3-DICHLORO-POTASSIUM SALT;
(POTASSIUM DICHLOROISOCYANURATE)
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: XZ1850000
CAS Number: 2244-21-5

OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: SUPDAT:STRUCTURE TO FORM TRIDYMITE/CRISTOBEALITE.
Ingredient Sequence Number: 05
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: EFTS OF OVEREXP:VOMIT, DIARR, CIRCULATORY COLLAPSE, DEATH.
CHRONIC INHAL MAY CAUSE INFLAM OF MUC MEMB OF RESP (ING 7)
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 6:TRACT. ING 3:MILD EYE & SKIN IRRIT. MOD TOX W/INGEST.
ING 4:HIGHLY IRRIT TO EYES. MAY CAUSE VISUAL DISTURB, (ING 8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7:EYE BURNS & CORNEAL DMG. HIGHLY IRRIT TO SKIN; SYMP MAY
INCLUDE REDNESS, SKIN BURNS & DERM. HIGHLY IRRIT TO(ING 9)
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 8:MUC MEMB & RESP TRACT. INHAL OF DUST MAY CAUSE COUGHING,
SNEEZING, RESP EDEMA, BRONCHOSPASMS & LUNG DMG. (ING 10)
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 9:CHRONIC DUST INHAL MAY PRDCE CHRONIC BRONCH & LUNG
DISEASE. IN PRESENCE OF MOISTURE, IN EYES, UPPER RESP (ING 11)
Ingredient Sequence Number: 10
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 10:TRACT/ON MOIST/ABRADED SKIN, MATL IS MODERATELY IRRIT.
INGEST TOX APPARENTLY DUE TO CORR ACTION ON STOM (ING 12)
Ingredient Sequence Number: 11
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 11:RATHER THAN TO ANY SYSTEMIC EFTS. SIGNS & SYM OF

OVEREXP:INHAL:INHAL OF DUST MAY CAUSE SIGNIFICANT IRRIT (ING 13)

Ingredient Sequence Number: 12

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: ING 12:OF UPPER RESP TRACT WHICH COULD CAUSE ACUTE PNEUMOCONIOSIS. SYMP MAY INCLUDE COUGHING, DYSP, WHEEZING, (ING 14)

Ingredient Sequence Number: 13

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: ING 13:THROAT IRRIT & NONSPECIFIC CHEST ILLNESSES. CHRONIC DUST EXPOS MAY LEAD TO SILIICOSIS. INGEST:MAY CAUSE (ING 15)

Ingredient Sequence Number: 14

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: ING 14:GI IRRIT W/NAUS, VOMIT, DIARR. SKIN:RPTD/PRLNG EXPOS MAY PRDCE IRRIT. EYES:MAY IRRIT CAUSING REDNESS & PAIN.

Ingredient Sequence Number: 15

NIOSH (RTECS) Number: 9999999ZZ

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: SCENTED WHITE POWDER

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (MM Hg/70 F): N/A

Vapor Density (Air=1): N/A

Specific Gravity: 1.4 (H2O=1)

Evaporation Rate And Ref: NOT APPLICABLE

Solubility In Water: MODERATE

Percent Volatiles By Volume: <1/WT

pH: SUPDAT

Fire and Explosion Hazard Data

Flash Point: NONFALMMABLE

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Extinguishing Media: WATER OR ANY OTHER MEDIA SUITABLE FOR EXTINGUISHING THE SURROUNDING FIRE.

Special Fire Fighting Proc: USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP(FP N). COOL FIRE-EXPOS CONTRS W/WATER SPRAY. SULFUR OXIDES, SODIUM OXIDE, CO & CHLORINE FUMES & OTHER TOX (SUPDAT)

Unusual Fire And Expl Hazrds: DRY PWDRD MATL CAN BUILD STATIC ELEC CHARGES WHEN SUBJECTED TO FRICTION. TO PVNT ACCIDENTS, PROPER PREC SHLD BE TAKEN WHEN USING IN PRESENCE OF FLAM/EXPLO LIQS.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): EXTREME HEAT.
Materials To Avoid: AMMONIA, AMINES, AMMONIUM COMPOUNDS, STRONG ALKALIES,
HYDROFLUORIC ACID, POWERFUL OXIDIZERS, FLUORINE CONTAINING(SUPDAT)
Hazardous Decomp Products: SULFUR OXIDES, SODIUM OXIDE, CO & CO2, CHLORINE
FUMES, AMMONIA, NITROGEN TRICHLORIDE, CYANOGEN CHLORIDE. (SUPDAT)
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

=====
Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: ING 1:CONSIDERED VERY TOX VIA INHAL. ACUTE
PHEUMACONIOSIS FROM OVERWHELMING EXPOS TO SILICA DUST HAS OCCURRED.
COUGHING, DYSP, WHEEZING, THROAT IRRIT & RPTD NONSPECIFIC CHEST ILLNESSES
ARE EARLY SYMP. RPTD/PRLNG INHAL OF DUST PARTICLES MAY CAUSE SILICOSIS.
SYMP MAY INCLUDE PROGRESSIVE DRY COUGH, (EFTS OF OVEREXP)
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: SILICA, CRYSTALLINE-QUARTZ CAS #:14808-60-7.
GROUP 2A(IARC), IARC MONOGRAPHS, SUPPLEMENT, VOL 7, PAGE 341, 1987.(SUPDAT)
Signs/Symptoms Of Overexp: HLTH HAZ:SHORTNESS OF BRTH & DECR CHEST
EXPANSION. IF NOT TREATED, DISEASE MAY PROGRESS W/MORE SEV SYMP. MAY IRRIT
EYES CAUSING REDNESS & PAIN. ING 2:IRRIT. CAN CAUSE NECROSIS OF EYES &
SKIN. RPTD CNTCT MAY CAUSE REDNESS, DRYING & CRACKING. MOD TOX W/INGEST &
INHAL. INGEST OF LG AMTS MAY CAUSE CORR OF GI TRACT, (ING 6)
Med Cond Aggravated By Exp: INHAL MAY INCREASE PROGRESSION OF
TUBERCULOSIS; SUSCEPTIBILITY APPARENTLY NOT INCREASED. PERS W/IMPAIRED RESP
FUNC MAY BE MORE SUSCEPTIBLE TO EFTS OF SUBSTANCE. SMKNG CAN INCREASE RISK
OF LUNG INJURY.
Emergency/First Aid Proc: EYES:FLUSH EYES THORO W/RUNNING WATER FOR AT
LEAST 15 MIN. GET MED ATTN. SKIN:RINSE WELL W/WATER. IF IRRIT OCCURS &
PERSISTS, CONTACT MD/LOCAL POIS CTL CTR. INHAL:IF EFTS OCCUR, REMOVE TO
RINSE MOUTH W/WATER. GIVE MILK/WATER TO DILUTE. DO NOT INDUCE VOMITING.
CONTACT MD/LOCAL POIS CTL CTR. OTHER:REMOVE CONTAMINATED CLOTHING.

=====
Precautions for Safe Handling and Use
=====

Steps If Matl Released/Spill: SWEEP UP & CONTAINERIZE FOR SALVAGE/
DISPOSAL. VACUUMING/WET SWEEPING MAY BE USED TO AVOID DUST DISPERSAL. SMALL
AMOUNTS MAY BE FLUSHED TO SEWER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: CONTAINERIZED WASTE MAY BE DISPOSED OF IN APPROVED
WASTE FACILITY. PRIOR TO DISPOSAL, NOTIFY LOCAL SEWAGE & SOLID WASTE
AUTHORITIES TO ENSURE COMPLIANCE W/LOCAL, STATE & FEDERAL ENVIRONMENTAL
REGULATIONS.
Precautions-Handling/Storing: AVOID RPTD/PRLNG INHAL OF DUST. AVOID UNNEC
EXPOS TO MATL. WASH THORO AFTER HNDLG. STORE IN COOL, DRY VENT AREA. INSIDE
STORAGE @ 30-120F RECOMMENDED.
Other Precautions: PROTECT AGAINST PHYSICAL DAMAGE. PREVENT DUST
SUSPENSION. A PROGRAM OF REGULAR CLEANING, REPAIRING & REPLACING OF WORN-
OUT PARTS & CONTAMINATED EQUIPMENT IS HIGHLY DESIRABLE.

=====
Control Measures
=====

Respiratory Protection: WEAR NIOSH/MSHA APPROVED DUST RESPIRATOR.
Ventilation: LOCAL EXHAUST PREFERRED TO KEEP EMPLOYEE EXPOS BELOW AIRBORNE

EXPOS LIMITS FOR SILICA DUST.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVD CHEM WORKERS' GOGGLES (FP N).

Other Protective Equipment: UNIFORMS, LABCOATS OR COVERALLS.

Work Hygienic Practices: PROVIDE EYE BATH & EMERGENCY SHOWERMEETING ANSI DESIGN CRITERIA (FP N). LAUNDRER SOILED WORK CLOTHING PRIOR TO REUSE.

Suppl. Safety & Health Data: PH:11.0 (1% AQ SOLN). EXPLAN OF CARCIN:ANTIC COMBUSTION PRODS MAY BE EVOLVED. MATLS TO AVOID: CMPDS, ACIDS/REDUCING AGENTS. HAZ DECOMP PROD: CHLORAMINES MAY BE FORMED IF MIXED W/AMMONIA. AT HIGH TEMPS, SILICA COMPONENT CAN CHANGE CRYSTAL (ING 5)

=====
Transportation Data
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=====
Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 04AUG93
Label Date: 30APR93
Label Status: G
Common Name: INSTITUTIONAL BAB-O CLEANSER WITH BLEACH, P-7520
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. ACUTE: MAY IRRITATE EYES, SKIN, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT CAUSING ACUTE PNEUMOCONIOSIS WITH SYMPTOMS INCLUDING COUGHING, DYSPNEA, WHEEZING, THROAT IRRITATION AND NONSPECIFIC CHEST ILLNESS. IF CANCER HAZARD: CRYSTALLINE SILICA QUARTZ IS ISTD AS A LUNG CARCINOGEN IN LABORATORY ANIMALS (FP N). SILICOSIS. MAY CAUSE INFLAMMATION OF MUCOUS MEMBRANES, BRONCHITIS & LUNG DISEASE.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PUREX INDUSTRIAL
Label Street: 7300 BOLSA AVE
Label City: WESTMINSTER
Label State: CA
Label Zip Code: 92648-3600
Label Country: US
Label Emergency Number: 614-387-6200

Item # 9205030

MATERIAL SAFETY DATA SHEET
MSDS

ITEM NUMBER: CMC-841

IDENTITY (As Used On Label and List): HI-TECH LUSTER SHINE Stainless Steel Polish and Cleaner (Oil Based)

EMERGENCY MEDICAL Telephone# 1-800-535-5053 (24 Hrs)
Outside of the U.S.A. Call Collect 352-323-3500

PRODUCT HAZARD RATINGS (NFPA): Health = , Fire = , Reactivity = , Protective Equipment =
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

Economical Janitorial & Paper Supplies, Inc. TELEPHONE NUMBER FOR INFORMATION: 1504-464-7166
755-C East Airline Drive
Kenner, LA 70062

DATE PRINTED: 1/7/2004
NAME OF PREPARER: Mike York

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	CAS#	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Mineral spirits	64741-65-7	NO	177 ppm*	177 ppm*	20-30
Isoparaffinic Solvent	64741-66-8	NO	NE	400 ppm**	40-50
Mineral oil	8042-47-5	NO	NE	NE	10-20
Propane	68476-85-7	NO	1000 ppm	NE	10-20

* ExxonMobil recommendation. ** Exxon recommendation.
Balance of ingredients are non-hazardous or below reportable levels.

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 308130F Specific Gravity (H20=1): <1.0
Solubility/Water: Negligible Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
Appearance and Odor: Clear with Hydrocarbon Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.
Flashpoint: <0F (Propellant); >80F (Concentrate)
Flammable Limits - % Volume In Air (Propellant): LEL: 2.2 UEL: 9.5
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers. Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: NA
Incompatibility (Materials to Avoid): Oxidizing agents Hazardous Decomposition Products:
Carbon Monoxide, Carbon Dioxide and additional hazardous chemicals may be formed in small amounts.
Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.
Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion:
Signs and Symptoms of Exposure: High vapor concentrations may result in central nervous system depression and evidenced by giddiness, headache and nausea. Ingestion may result in vomiting. Prolonged or repeated skin contact can result in drying and defatting of skin. Moderate eye irritant.
Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.

SECTION VI - HEALTH HAZARD DATA

Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Get medical attention. (Breathing of contents into the lungs must be avoided as even small quantities may result in aspiration pneumonia).

CARCINOGENICITY: No regulated ingredients. TOXICITY INFORMATION: No data available.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 3 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. 11), use a NIOSH approved respirator to prevent overexposure.

Ventilation: General ventilation is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves are recommended - consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Chemical safety glasses are recommended.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals.

Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

SECTION IX - OTHER REGULATORY CONTROLS

FEDERAL:

Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

STATE RIGHT-TO-KNOW:

Pennsylvania/New Jersey Right-To-Know (Chemical and CAS No.):

Mineral spirits	64741-65-7
Isoparaffinic Solvent	64741-66-8
Mineral oil	8042-47-5
N-Methylpyrrolidinone	672-50-4
Propane	68476-85-7

SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

Item # 9205230

Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	HCS
	Not controlled under WHMIS (Canada).	HCS Class: Irritating substance.

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Hi Tech Citrus Cleaner	Code	BC-315
Synonym	Neutral pH Disinfectant/Deodorant/Detergent	CAS #	Not applicable.
Chemical Family	Not available.	Validation Date	10/22/2001
Chemical Formula	Not applicable.	Print Date	10/22/2001
Manufacturer	Economical Janitorial Supplies 753-755 E. Airline Dr. Kenner, LA 70062 (504) 464-7166	In Case of Emergency	1-800-535-5053 24 Hrs Outside of the U.S.A. Call Collect 1-352-323-3500
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL	DSL : All components listed unless noted elsewhere on this MSDS		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Water	7732-18-5	>93	Not available.	Not available.
2) Quaternary Ammonium Chloride	68424-85-1	2	Not available.	Not available.
3) Isopropyl Alcohol	67-63-0	<2	TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States] STEL: 500 (ppm)	Not available.
4) Nonionic Surfactant	9016-45-9	<1	Not available.	Not available.
5) Perfume Oil	N/A	<1	Not available.	Not available.
6) Dye	N/A	<1	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Corrosive to eyes and skin. Harmful if swallowed. Inflammation of the eye is characterized by redness, watering, and itching.
Potential Chronic Health Effects	Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may result in skin burns and ulcerations.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Flush eyes with large quantities of water. Seek medical attention if irritation persists.
Skin Contact	Flush with water. Seek medical attention if irritation persists.
Inhalation	N/A
Ingestion	Dilute with two glasses of water. Seek medical attention.

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions N/A

Special Remarks on Fire Hazards N/A

Special Remarks on Explosion Hazards N/A

Section 6. Accidental Release Measures

Small Spill and Leak Safety glasses recommended.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas, fumes, vapor or spray.

Incompatibility None known.

Storage Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

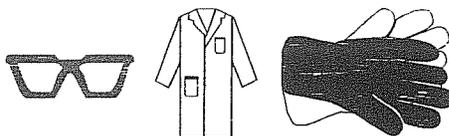
Eyes Safety glasses.

Body Lab coat.

Respiratory Not applicable.

Hands Not applicable.

Protective Clothing (Pictograms)



Exposure Limits **Isopropyl Alcohol**
TWA: 400 (ppm)
TWA: 400 (ppm) from OSHA (PEL)
STEL: 500 (ppm)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	6.5 to 8.5 [Basic.]	Color	Blue. (Light.)
Boiling/Condensation Point	212°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	90		
VOC	Not available.		
Evaporation Rate	(Water=1):<1		
Odor Threshold	Not available.		
LogK _{ow}	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.		
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	None known.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<i>Eyes</i> Eye irritant. May cause redness and swelling of the conjunctiva. <i>Skin</i> Defatting to skin on repeated contact. <i>Inhalation</i> N/A <i>Ingestion</i> May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses.
Chronic Effects on Humans	Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may result in skin burns and ulcerations.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

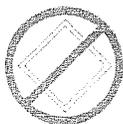
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport

Not applicable.



Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not controlled under WHMIS (Canada).

Regulatory Lists CEPA DSL: No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.) HCS Class: Irritating substance.

USA Regulatory Lists
No products were found.
This product does not contain any component listed on California Prop 65
SARA 311/312: Isopropyl Alcohol; Quaternary Ammonium Chloride
SARA 313: No Components were found

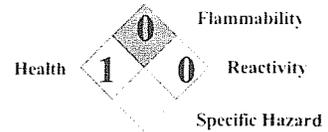
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists
No products were found.

Hazardous Material Information System (U.S.A.)

Flammability	1
Reactivity	0
Personal Protection	A

National Fire Protection Association (U.S.A.)



Section 16. Other Information

Validated by CRushton on 10/22/2001.

Verified by CRushton.

Printed 10/22/2001.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

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. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 10/22/2001.

Hi Tech Citrus Cleaner

Page: 5/5

Continued on Next Page

ITEM # 9205330



SAFETY DATA SHEET

Green Earth Push Drain Maintainer, Floor Cleaner and Spotter

Section 1. Identification

GHS product identifier : Green Earth Push Drain Maintainer, Floor Cleaner and Spotter
 Other means of identification : Not available.
 Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation
 1001 Brown Avenue
 Toledo, OH 43607
 www.betco.com
 888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.
 Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.
 Response : Not applicable.
 Storage : Not applicable.
 Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
 Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
 Product code : 133

Ingredient name	%	CAS number
Alcohols, C9-11, ethoxylated	≥1 - <3	68439-46-3

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact : No known significant effects or critical hazards.
- Inhalation : No known significant effects or critical hazards.
- Skin contact : No known significant effects or critical hazards.
- Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact : No specific data.
- Inhalation : No specific data.
- Skin contact : No specific data.
- Ingestion : No specific data.

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

- Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments : No specific treatment.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media : None known.

- Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products : No specific data.

Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. 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.

Section 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. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- 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 information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved 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.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Off-white.

Odor : Wintergreen.

Odor threshold : Not available.

pH : 6.5 to 8.5

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: Not applicable. [Product does not sustain combustion.]

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : 0.9931

Solubility : Soluble in the following materials: cold water.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Section 10. Stability and reactivity

- Reactivity : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability : The product is stable.
- Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid : No specific data.
- Incompatible materials : No specific data.
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Alcohols, C9-11, ethoxylated	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Oral	Rat	1378 mg/kg	-

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal.
Routes of entry not anticipated: Inhalation.

Potential acute health effects

- Eye contact : No known significant effects or critical hazards.
- Inhalation : No known significant effects or critical hazards.
- Skin contact : No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

Not available.

General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	3367 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Alcohols, C9-11, ethoxylated	Acute EC50 5.36 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 2686 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8500 µg/l Fresh water	Fish - Pimephales promelas	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Alcohols, C9-11, ethoxylated	-	237	low

Section 12. Ecological information

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
Not determined.
Clean Water Act (CWA) 311: sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air : Not listed

Section 15. Regulatory information

Clean Air Act Section 602 : Not listed
Class I Substances

Clean Air Act Section 602 : Not listed
Class II Substances

DEA List I Chemicals : Not listed
(Precursor Chemicals)

DEA List II Chemicals : Not listed
(Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Alcohols, C9-11, ethoxylated	≥1 - <3	No.	No.	No.	Yes.	No.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Europe : Not determined.

Japan : Not determined.

Malaysia : Not determined.

New Zealand : Not determined.

Section 15. Regulatory information

Republic of Korea : Not determined.

Taiwan : Not determined.

Section 16. Other information

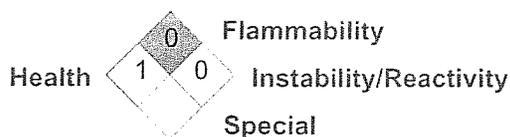
Hazardous Material Information System (U.S.A.)

	1
Flammability	0
	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of printing : 3/30/2015.
 Date of issue/Date of revision : 3/30/2015.
 Date of previous issue : No previous validation.
 Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Section 16. Other information

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.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Item # 9205430

MSDS050

050 0

(MSDS)

ITEM NUMBER: CMC-050

IDENTITY (As Used On Label and List): SPARKLE GLASS CLEANER

EMERGENCY MEDICAL Telephone# 1-504-464-7166 (8:00 AM - 5:00 PM, Central)

PRODUCT HAZARD RATINGS (NFPA): Health = 1, Fire = 1, Reactivity = 0, Protective Equipment = A
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

ECONOMICAL JANITORIAL & PAPER SUPPLIES
755-C EAST AIRLINE HIGHWAY
KENNER
LA 70062

TELEPHONE NUMBER FOR INFORMATION : 1-504-464-7166

DATE PRINTED : 11/2/01 NAME OF PREPARER : Mike York

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names

Exposure Limits	SARA Title III	ACGIH	OSHA (skin)	% By Wt.
Ethyl Alcohol (CAS# 64-17-5)	-	1000	1000	4-20
Methyl Alcohol (CAS# 67-56-1)	Yes	200	200	<1.0
Deionized Water (CAS# 7732-18-5)	-	-	-	70-90
Liquefied Petroleum Gas (CAS# 68476-85-7)	-	1000	1000	1-5

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard.
Components Listed As A Suspected Carcinogen: None

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 140@130F Specific Gravity (H2O-1): <
Solubility/Water: Complete Vapor Density (AIR=1): >1 Evaporation Rate (Ehr=1): 1
Appearance and Odor: Wide hollow cone spray; semi-stable foam with floral odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.
Flammable Limits - % Volume In Air (Propellant): LEL: 1.8 UEL: 9.2
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.
Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

2-Butoxyethanol (CAS# 111-76-2) LD50-Oral Rat) SEC 313 TLV/TWA PEL
1.480g/kg Yes 25ppm 1-10

--*-*-* SECTION IX - OTHER REGULATORY CONTROLS

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

--*-*-* SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

Shipping Name: Consumer Commodity Hazard Class: ORM-D
NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.
As of: April 22, 1998

SAFETY DATA SHEET

Item # 9205830
BETCO

pH7

Section 1. Identification

GHS product identifier : pH7
Other means of identification : Not available.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation
1001 Brown Avenue
Toledo, OH 43607
www.betco.com
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
Product code : 138

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. 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.

Section 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. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- 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 information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid.
- Color** : Yellowish.-Green. Clear.
- Odor** : Floral.
- Odor threshold** : Not available.
- pH** : 6.5 to 8.5
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.0033
- Solubility** : Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal.
Routes of entry not anticipated: Inhalation.

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Section 11. Toxicological information

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
Not determined.
Clean Water Act (CWA) 311: sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals : Not listed
(Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia : Not determined.
 Canada : Not determined.
 China : Not determined.
 Europe : Not determined.
 Japan : **Japan inventory (ENCS):** Not determined.
 Japan inventory (ISHL): Not determined.
 Malaysia : Not determined.
 New Zealand : Not determined.
 Philippines : Not determined.
 Republic of Korea : Not determined.
 Taiwan : Not determined.

Section 16. Other information

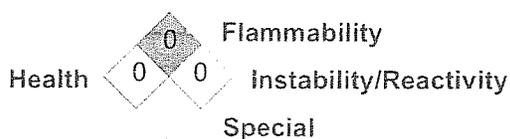
Hazardous Material Information System (U.S.A.)

	0
Flammability	0
	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of printing : 2/3/2016
 Date of issue/Date of revision : 2/3/2016
 Date of previous issue : 3/30/2015
 Version : 1.01

Key to abbreviations : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

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.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

(MSDS)

MSDS985 985 9

Item # 9206230

ITEM NUMBER: OMC-985

IDENTITY (As Used On Label and List): ALL PURPOSE CLEANER

EMERGENCY MEDICAL Telephone# 1-504-464-7166 (8:00 AM - 5:00 PM, Central)

PRODUCT HAZARD RATINGS (HMIS): Health = 1, Fire = 2, Reactivity = 0, Protective Equipment = B
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

SECTION I

ECONOMICAL JANITORIAL & PAPER SUPPLIES, INC.
755-C EAST AIRLINE HIGHWAY
KENNER
LA 70062

TELEPHONE NUMBER FOR INFORMATION : 1-504-464-7166

DATE PRINTED : 8/18/00 NAME OF PREPARER : MIKE YORK

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	Exposure Limits (ID50-Oral Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% BY WT.
D-Limonene	5g/Kg	NA	NA	NA	1-5.0
Liquefied Petroleum Gas (CAS# 68476-85-7)	NA	NA	1000ppm	1000ppm	1-10.0
Unidentified ingredients are not considered hazardous under the Federal Hazard Communication standard.					
Components Listed As A Suspected Carcinogen:		None			

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 1268130F Specific Gravity (H20=1): <1
 Solubility/Water: Almost complete Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
 Appearance and Odor: coarse white mist, citrus aroma

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.
 Flammable Limits - % Volume in Air (Propellant): UEL: 1.8 UEL: 9.2
 Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.
 Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.
 Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
 Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable
 Incompatibility (Materials to Avoid): Hazardous Polymerization: NA
 (Materials to Avoid): Strong oxidizing agents
 Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and additional toxic chemicals may be formed in small amounts.
 Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion: X
 Signs and Symptoms of Exposure: Inhalation may cause dizziness, drowsiness and throat irritation. Eye contact may be irritating. Skin contact may cause slight redness.
 Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders and upper respiratory inflammation may be aggravated by exposure to this product.
 Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.
 Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.
 Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B).
 Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.
 Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.
 Protective Gloves: Chemical resistant gloves.
 Eye Protection: Chemical safety glasses are recommended.
 Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.
 Work/Hygiene Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

SECTION IX - OTHER REGULATORY CONTROLS

Governmental Listings: Ingredients of this product are listed on the EPA/TCOA Inventory of Chemical Substances.

SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established ON-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

EFFECTIVE DATE: 3/3/00 SUPERCEDES: 8/20/97 PREPARED BY: Sue Helser