

ITEM # 1



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Clorox Commercial Solutions® Clorox® Disinfecting Spray

### Other means of identification

EPA Registration Number 67619-21

### Recommended use of the chemical and restrictions on use

Recommended Use Aerosol disinfectant, sanitizer, and deodorizer

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

Clorox Professional Products Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

#### Emergency Phone Numbers

For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

**Classification**

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

Eye damage/irritation	Category 2A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Flammable aerosols	Category 2

**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal word</b>	<b>Danger</b>	
<b>Hazard statements</b> Causes serious eye irritation May cause genetic effects May cause cancer Flammable aerosol		
		
<b>Appearance</b> Clear, colorless	<b>Physical State</b> Thin liquid	<b>Odor</b> Green, fresh, fruity

**Precautionary Statements - Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear eye protection such as safety glasses.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Pressurized container: Do not pierce or burn, even after use.  
Do not spray on an open flame or other ignition source.  
Wash hands and any exposed skin thoroughly after handling.

**Precautionary Statements - Response**

If exposed or concerned: Get medical attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

**Hazards not otherwise classified (HNOC)**

0.5% of the mixture consists of ingredient(s) of unknown toxicity

**Unknown Toxicity**

None

**Other information**

Very toxic to aquatic life with long lasting effects.

**Interactions with Other Chemicals**

Can react with strong oxidizers, inorganic acids, and halogens.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
Ethanol	64-17-5	50 - 70	*
Isobutane	75-28-5	5 - 10	*
Propane	74-98-6	1 - 5	*
Sodium nitrite	7632-00-0	<0.2	*
n-Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride	68424-85-1	0.1 - 0.3	*
Octyl decyl dimethyl ammonium chloride	32426-11-2	0.1 - 0.3	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact**

Wash skin with soap and water. If irritation persists, call a doctor.

**Inhalation**

Move to fresh air. If breathing is affected, call a doctor.

**Ingestion**

Drink a glassful of water. Call a doctor or poison control center.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects**

May cause substantial eye irritation. Inhalation of high concentrations may cause irritation of the respiratory tract, headaches, dizziness, nausea, vomiting, and malaise.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.

### Unsuitable Extinguishing Media

Do not extinguish a leaking gas fire unless leak can be stopped.

### Specific Hazards Arising from the Chemical

Containers may rupture at temperatures greater than 50°C.

NFPA Aerosol Classification: Level 1

### Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge Yes.

### Protective Equipment and Precautions for Firefighters

Containers may rupture at temperatures greater than 50°C. Cool exposed containers to avoid potential bursting or venting. Use equipment or shielding to protect personnel from bursting containers. 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 eyes, skin, and clothing. Wear respiratory protection for large spills.

**Other Information** Eliminate all potential sources of ignition, and ventilate area. Take precautionary measures against static discharge. Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements, and confined areas.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches, and waterways.

**Methods for Cleaning Up** Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors. Contents under pressure. Do not puncture or incinerate containers. Keep away from heat, sparks, open flames, and hot surfaces. Do not eat, drink, or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in accordance with NFPA 30B for Level 1 aerosols. Do not store at temperatures above 50°C. Keep containers in a dry, cool, and well-ventilated place. Keep away from heat and ignition sources. Protect from sunlight.

**Incompatible Products** Strong oxidizers, inorganic acids, and halogens.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Isobutane 75-28-5	STEL: 1000 ppm	None	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Sodium nitrite 7632-00-0	None	None	None
n-Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride 68424-85-1	None	None	None
Octyl decyl dimethyl ammonium chloride 32426-11-2	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      Wear safety glasses.

**Skin and Body Protection**                Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.

**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.

**Hygiene Measures**                            Do not eat, drink, or smoke when using this product. Wash hands with soap and water after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Physical State	Thin liquid	Odor	Green, fresh, fruity
Appearance	Clear	Odor Threshold	No information available
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	9 - 11 (liquid)	None known
Melting/freezing point	No data available	None known
Boiling Point/Range	No data available	None known
Flash Point	17.5°C (liquid, closed cup)	None known
Flame extension	15 inches (38 cm) without flashback	None known
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~0.86 (liquid)	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

### Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Can react with strong oxidizers, inorganic acids, and halogens

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Do not store at temperatures above 50°C. Keep away from heat, sparks, open flames, and hot surfaces.

### Incompatible materials

Strong oxidizers, inorganic acids, and halogens

### Hazardous Decomposition Products

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Inhalation of high concentrations may cause irritation of the respiratory tract, headaches, dizziness, nausea, vomiting, and malaise.

**Eye Contact** May cause substantial eye irritation.

**Skin Contact** Prolonged contact may cause slight irritation.

**Ingestion** Ingestion may cause central nervous system depression, gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol 64-17-5	-	-	124.7 mg/L (Rat) 4 h
Isobutane 75-28-5	-	-	658 mg/L (Rat) 4 h
Propane 74-98-6	-	-	658 mg/L (Rat) 4 h
Sodium nitrite 7632-00-0	85 mg/kg (Rat)	-	5.5 mg/L (Rat) 4 h

**Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes.

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

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X
Sodium nitrite 7632-00-0		Group 2A		X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans Group 2A - Probably Carcinogenic to Humans*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive Toxicity** No information available

**STOT - single exposure** No information available.

**11. TOXICOLOGICAL INFORMATION**

**STOT - repeated exposure  
Chronic Toxicity**

No information available.  
Contains a known or suspected carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Sodium nitrite produced stomach tumors in female mice when fed exaggerated doses. Contains a known or suspected reproductive toxin. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Repeated abuse can have long-term health effects.

**Target Organ Effects**

Eyes, blood, central nervous system (CNS), liver, reproductive system, respiratory system.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

14.2 g/kg

**ATEmix (Inhalation-dust/mist)**

215 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
Ethanol 64-17-5	-0.32
Propane 74-98-6	2.3
Sodium nitrite 7632-00-0	-3.7

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

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

**Contaminated Packaging**

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

**14. TRANSPORT INFORMATION**

**DOT** Limited quantity.

**TDG**  
 UN-No UN1950  
 Proper Shipping Name AEROSOLS  
 Hazard Class 2.1  
 Description UN1950, AEROSOLS, 2.1

**ICAO**  
 UN-No UN1950  
 Proper Shipping Name AEROSOLS  
 Hazard Class 2.1  
 Description UN1950, AEROSOLS, 2.1

**IATA**  
 UN-No UN1950  
 Proper Shipping Name AEROSOLS, FLAMMABLE  
 Hazard Class 2.1  
 Description UN1950, AEROSOLS, FLAMMABLE, 2.1

**IMDG/IMO**  
 UN-No UN1950  
 Proper Shipping Name AEROSOLS  
 Hazard Class 2.1  
 EMs No. F-D, S-U  
 Description UN1950, AEROSOLS, 2.1

**15. REGULATORY INFORMATION**

**Chemical Inventories**

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

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

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemical that is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 Threshold Values %
Sodium nitrite 7632-00-0	7632-00-0	0.1 - 1	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Fire Hazard Yes  
 Sudden Release of Pressure Hazard Yes  
 Reactive Hazard No

**Clean Water Act**

This product contains the following substance that is regulated as a pollutant 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
Sodium nitrite 7632-00-0	100 lb.			X

**CERCLA**

This material, as supplied, contain the following substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eye wear (safety glasses). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. If skin contact with product occurs, wash thoroughly with soap and water, especially prior to food handling and preparation. Remove or cover aquariums and cages before use.

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethanol 64-17-5	Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethanol 64-17-5		X			
Isobutane 75-28-5	X	X	X		
Propane 74-98-6	X	X	X		
Sodium nitrite 7632-00-0	X	X	X	X	

**International Regulations**

Canada

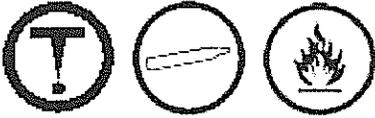
**WHMIS Hazard Class**

D2A Very toxic materials

D2B Toxic materials

A Compressed gases

B5 Flammable aerosol



**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 1	Flammability 3	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 1*	Flammability 3	Physical Hazard 0	Personal Protection A

*\*Indicates a chronic health hazard*

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Preparation/Revision Date** January 5, 2015

**Revision Date** New

**Revision Note** New

**Reference** CLX161939-001/161939.001

**General 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

End of Safety Data Sheet

Item # 2



# SAFETY DATA SHEET

Issuing Date May 12, 2016

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox Healthcare® Disinfecting Wipes

### Other means of identification

**EPA Registration Number** 67619-9

### Recommended use of the chemical and restrictions on use

**Recommended use** Moistened disinfecting wipes

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Address**  
Clorox Professional Products Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

**Emergency Phone Numbers** For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### GHS Label elements, including precautionary statements

#### Emergency Overview

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<b>Appearance</b> Clear, colorless liquid absorbed into white, non-woven wipes	<b>Physical State</b> Thin liquid absorbed into non-woven wipes	<b>Odor</b> Fruity, apple, floral
--	---	-----------------------------------

### Precautionary Statements - Prevention

None

### Precautionary Statements - Response

None

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

None

### Hazards not otherwise classified (HNOC)

Not applicable

### Unknown Toxicity

21.5% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

No information available

### Interactions with Other Chemicals

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Ethylene glycol monohexyl ether	112-25-4	1 - 5	*
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.1 - 0.2	*
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride	53516-76-0	0.1 - 0.2	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

- General Advice** Show this safety data sheet to the doctor in attendance.
- Eye Contact** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
- Skin Contact** Rinse skin with plenty of water. If irritation persists, call a doctor.
- Inhalation** Move to fresh air. If breathing problems develop, call a doctor.
- Ingestion** Drink a glassful of water. Call a doctor or poison control center.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Liquid may cause eye irritation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** 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**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

**Hazardous Combustion Products**

Oxides of carbon.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**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 eyes.  
**Other Information** Refer to protective measures listed in Sections 7 and 8.

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** Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool, and well-ventilated place.  
**Incompatible Products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol monohexyl ether 112-25-4	None	None	None
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride 85409-23-0	None	None	None
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride 53516-76-0	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls**

Engineering Measures      Showers  
 Eyewash stations  
 Ventilation systems

**Individual protection measures, such as personal protective equipment**

Eye/Face Protection      No special protective equipment required.

Skin and Body Protection      No special protective equipment required.

Respiratory Protection      No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

Physical State	Thin liquid absorbed into non-woven wipes		
Appearance	Clear liquid absorbed into non-woven wipes	Odor	Fruity, apple, floral
Color	Colorless liquid - white non-woven wipes	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	6 - 9 (liquid)	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.0 (liquid)	None known
Water Solubility	Complete (liquid)	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

**Other Information**

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data 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

None known based on information supplied.

### Incompatible materials

None known.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Exposure to vapor or mist may irritate respiratory tract.
<b>Eye Contact</b>	Liquid may cause irritation.
<b>Skin Contact</b>	Liquid may cause slight irritation.
<b>Ingestion</b>	Ingestion of liquid may cause slight irritation to mucous membranes and gastrointestinal tract.

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol monohexyl ether 112-25-4	739 mg/kg (Rat)	721 mg/kg (Rabbit)	>0.5 mg/L (Rat, 4 h)

### Information on toxicological effects

**Symptoms** Liquid may cause redness and tearing of eyes.

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

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	None of the ingredients in this product are on the IARC, OSHA, or NTP carcinogen lists.
<b>Reproductive Toxicity</b>	No information available.

<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Respiratory system, eyes, skin, gastrointestinal tract (GI).
<b>Aspiration Hazard</b>	No information available.

#### Numerical measures of toxicity - Product Information

**ATEmix (oral)**  
40.1 g/kg

**ATEmix (dermal)**  
59.8 g/kg

### **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

No information available.

#### Persistence and Degradability

No information available.

#### Bioaccumulation

No information available.

#### Other adverse effects

No information available.

### **13. DISPOSAL CONSIDERATIONS**

#### Disposal methods

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

#### Contaminated Packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

### **14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated.
<b><u>TDG</u></b>	Not regulated.
<b><u>ICAO</u></b>	Not regulated.
<b><u>IATA</u></b>	Not regulated.
<b><u>IMDG/IMO</u></b>	Not regulated.

## 15. REGULATORY INFORMATION

### Chemical Inventories

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

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

### U.S. Federal Regulations

#### **SARA 313**

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

Chemical Name	CAS No.	Weight %	Threshold Value (%)
Ethylene glycol monohexyl ether	112-25-4	1 - 5	1.0

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This product does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Wear gloves for prolonged or frequent use.



Item # 5



# SAFETY DATA SHEET

## PURELL® Advanced Instant Hand Sanitizer

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
Date of first issue: 12/12/2014

---

### SECTION 1. IDENTIFICATION

Product name : PURELL® Advanced Instant Hand Sanitizer

#### Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

#### Recommended use of the chemical and restrictions on use

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Eye irritation : Category 2A

#### GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.


**PURELL® Advanced Instant Hand Sanitizer**

Version 1.1	Revision Date: 02/10/2015	MSDS Number: 36762-00002	Date of last issue: 12/12/2014 Date of first issue: 12/12/2014
----------------	------------------------------	-----------------------------	---

Precautionary Statements : **Prevention:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 Keep container tightly closed.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

Vapors may form explosive mixture with air.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Propan-2-ol	67-63-0	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.  
 Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.  
 Get medical attention if symptoms occur.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
 If easy to do, remove contact lens, if worn.


**PURELL® Advanced Instant Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

	Get medical attention.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician	: Treat symptomatically and supportively.

---

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

---

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	: Discharge into the environment must be avoided.

---

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version 1.1	Revision Date: 02/10/2015	MSDS Number: 36762-00002	Date of last issue: 12/12/2014 Date of first issue: 12/12/2014
----------------	------------------------------	-----------------------------	---

---

Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapors/mists with a water spray jet.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

---

### SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use with local exhaust ventilation.  
Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling : Do not breathe vapors or spray mist.  
Do not swallow.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Handle in accordance with good industrial hygiene and safety practice.  
Non-sparking tools should be used.  
Keep container tightly closed.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents


**PURELL® Advanced Instant Hand Sanitizer**

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
 Date of first issue: 12/12/2014

Organic peroxides  
 Flammable solids  
 Pyrophoric liquids  
 Pyrophoric solids  
 Self-heating substances and mixtures  
 Substances and mixtures which in contact with water emit flammable gases  
 Explosives  
 Gases

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1

**Biological occupational exposure limits**

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentratio n	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work- week	40 mg/l	ACGIH BEI

**Engineering measures** : Minimize workplace exposure concentrations.  
 Use only in an area equipped with explosion proof exhaust ventilation.  
 Use with local exhaust ventilation.

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

- Hand protection
- Material : Impervious gloves
- Material : Flame retardant gloves
- Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
- Eye protection : Wear the following personal protective equipment:  
Safety goggles
- Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Wear the following personal protective equipment:  
Flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.
- 

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : gel
- Color : clear, light blue
- Odor : fruity
- Odor Threshold : No data available
- pH : 6.5 - 8.5
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : 73 °C
-

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version 1.1	Revision Date: 02/10/2015	MSDS Number: 36762-00002	Date of last issue: 12/12/2014 Date of first issue: 12/12/2014
----------------	------------------------------	-----------------------------	---

---

Flash point	: 25 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Density	: 0.881 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: The substance or mixture is not classified self-reactive.
Viscosity	
Viscosity, kinematic	: 1,000 - 17,000 mm <sup>2</sup> /s (20 °C)
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

**PURELL® Advanced Instant Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

**Ingredients:****Ethanol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**Propan-2-ol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result: No skin irritation

**Ingredients:****Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Propan-2-ol:**

Species: Rabbit  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Ingredients:**


**PURELL® Advanced Instant Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

**Ethanol:**

Species: Rabbit  
 Result: Irritation to eyes, reversing within 21 days  
 Method: OECD Test Guideline 405

**Propan-2-ol:**

Species: Rabbit  
 Result: Irritation to eyes, reversing within 21 days

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.  
 Respiratory sensitization: Not classified based on available information.

**Product:**

Assessment: Does not cause skin sensitization.

**Ingredients:**
**Ethanol:**

Test Type: Local lymph node assay (LLNA)  
 Routes of exposure: Skin contact  
 Species: Mouse  
 Result: negative

**Propan-2-ol:**

Test Type: Buehler Test  
 Routes of exposure: Skin contact  
 Species: Guinea pig  
 Method: OECD Test Guideline 406  
 Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Ingredients:**
**Ethanol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
 Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
 Species: Mouse  
 Application Route: Ingestion  
 Result: negative

**Propan-2-ol:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
 Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
 cytogenetic assay)  
 Species: Mouse  
 Application Route: Intraperitoneal injection  
 Result: negative

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
Date of first issue: 12/12/2014

---

### **Carcinogenicity**

Not classified based on available information.

### **Ingredients:**

#### **Propan-2-ol:**

Species: Rat

Application Route: inhalation (vapor)

Exposure time: 104 weeks

Method: OECD Test Guideline 451

Result: negative

#### **IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **OSHA**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified based on available information.

### **Ingredients:**

#### **Ethanol:**

Effects on fertility

: Test Type: Two-generation reproduction toxicity study  
Species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 416  
Result: negative

#### **Propan-2-ol:**

Effects on fertility

: Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on fetal development

: Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

### **STOT-single exposure**

Not classified based on available information.

### **Ingredients:**

#### **Propan-2-ol:**

Assessment: May cause drowsiness or dizziness.

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
Date of first issue: 12/12/2014

---

### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Ingredients:

##### **Ethanol:**

Species: Rat  
NOAEL: 2,400 mg/kg  
Application Route: Ingestion  
Exposure time: 2 y

##### **Propan-2-ol:**

Species: Rat  
NOAEL: 5000 ppm  
Application Route: inhalation (vapor)  
Exposure time: 104 w  
Method: OECD Test Guideline 413

### Aspiration toxicity

Not classified based on available information.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Ingredients:

##### **Ethanol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
Exposure time: 9 d

Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32.1 mg/l  
Exposure time: 0.25 h

##### **Propan-2-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h

Toxicity to algae : ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l

---

SAFETY DATA SHEET



**PURELL® Advanced Instant Hand Sanitizer**

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
Date of first issue: 12/12/2014

---

Exposure time: 8 d

Toxicity to bacteria : EC50 (*Pseudomonas putida*): > 1,050 mg/l  
Exposure time: 16 h

**Persistence and degradability**

**Ingredients:**

**Ethanol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 84 %  
Exposure time: 20 d

**Propan-2-ol:**

Biodegradability : Result: rapidly degradable

**Bioaccumulative potential**

**Ingredients:**

**Ethanol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

**Propan-2-ol:**

Partition coefficient: n-octanol/water : log Pow: 0.05

**Mobility in soil**

No data available

**Other adverse effects**

No data available

---

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not burn, or use a cutting torch on, the empty drum.

---

**SECTION 14. TRANSPORT INFORMATION**

**International Regulation**

**UNRTDG**

UN number : UN 1987  
Proper shipping name : ALCOHOLS, N.O.S.

---

# SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

(Ethanol, Propan-2-ol)  
Class : 3  
Packing group : III  
Labels : 3

### IATA-DGR

UN/ID No. : UN 1987  
Proper shipping name : Alcohols, n.o.s.  
(Ethanol, Propan-2-ol)  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

### IMDG-Code

UN number : UN 1987  
Proper shipping name : ALCOHOLS, N.O.S.  
(Ethanol, Propan-2-ol)  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 1987  
Proper shipping name : ALCOHOLS, N.O.S.  
Class : 3  
Packing group : III  
Labels : FLAMMABLE LIQUID  
ERG Code : 127  
Marine pollutant : no

---

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard

## SAFETY DATA SHEET



## PURELL® Advanced Instant Hand Sanitizer

Version	Revision Date:	MSDS Number:	Date of last issue: 12/12/2014
1.1	02/10/2015	36762-00002	Date of first issue: 12/12/2014

---

## Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol	67-63-0	3.4086 %
-------------	---------	----------

## US State Regulations

## Pennsylvania Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

## New Jersey Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

## California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

## The ingredients of this product are reported in the following inventories:

REACH : All ingredients (pre-)registered or exempt.

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

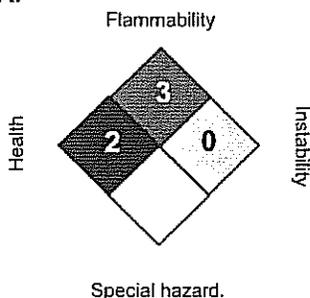
AICS : All ingredients listed or exempt.

## Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)


**PURELL® Advanced Instant Hand Sanitizer**

Version 1.1      Revision Date: 02/10/2015      MSDS Number: 36762-00002      Date of last issue: 12/12/2014  
 Date of first issue: 12/12/2014

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
 ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
 NIOSH REL : USA. NIOSH Recommended Exposure Limits  
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

ACGIH / TWA : 8-hour, time-weighted average  
 ACGIH / STEL : Short-term exposure limit  
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
 NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday  
 OSHA Z-1 / TWA : 8-hour time weighted average

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 02/10/2015

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8

Item # 6

# MATERIAL SAFETY DATA SHEET

## MSDS L-227 REVISION 13

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

The Dial Corporation  
19001 N. Scottsdale Road  
Scottsdale, Arizona 85255-9672

Medical Emergencies: 1-888-689-9082  
Chemtrec: 1-800-424-9300 (24 Hours Daily)  
Other Information: 1-888-468-6673

PRODUCT: Liquid Hand Soap DATE OF ISSUE: November 2, 2009

TRADE NAMES/SYNONYMS: Dial Complete® Antibacterial Foaming Hand Wash  
Dial Complete® Antibacterial Foaming Lotion Hand Wash – Fresh Pear  
Dial Complete® Antibacterial Foaming Lotion Hand Wash – Cool Plum  
Dial Complete® Antibacterial Foaming Lotion Hand Wash – Kitchen w/Light Citrus  
Dial Complete® Antibacterial Foaming Lotion Hand Soap – For Foodservice  
Dial Complete® Antibacterial Foaming Hand Wash – Soothing White Tea  
Dial Complete® Antibacterial Foaming Hand Wash – Cranberry

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 99101195, 99102994, 99103707 (Dial Complete); 906497 (Dial Complete-Canada); 99101195, 99103306, 99103706 (Fresh Pear); 99101825, 99103305, 99103705 (Cool Plum); 99103814, 99101826 (Kitchen/w light citrus); 99102437 (For Foodservice); 99103816, 99103339 (Soothing White Tea); 99103817, 99103612, 99103817 (Cranberry)

### SECTION 2: HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

CAUTION: This product is a clear or colored liquid with a very slight chemical odor. Direct contact with eyes may cause mild transient irritation. Repeated or prolonged excessive exposure may cause irritation or dermatitis. No significant environmental effects. Not a fire hazard. Product is stable.

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet may differ from the requirements of the FD&C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

#### REGULATORY STATUS

While this product is not considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200), this MSDS includes valuable information that is critical for safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

#### POTENTIAL HEALTH EFFECTS

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

EYE CONTACT: May cause mild transient irritation.

SKIN CONTACT: Repeated or prolonged excessive exposure may cause irritation or dermatitis.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

INHALATION: Unlikely to occur due to the physical properties of the product.

CHRONIC HEALTH EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

### POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12: Ecological Information.

---

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

---

Based on our hazard evaluation, the following chemical substance(s) in this product have been identified as hazardous.

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT (w/w)</u>
Sodium Xylenesulfonate	1300-72-7	10 – 30 %
Dipropylene Glycol	25265-71-8	1 – 5 %
Ammonium Lauryl Sulfate	2235-54-3	1 – 5 %
Glycerin	56-81-5	0 – 5 %
Triclosan	3380-34-5	0.1 – 1 %

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persists.

**SKIN:** Rinse affected area with plenty of water until no evidence of product remains. Get medical attention if irritation persists.

**INGESTION:** Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

**INHALATION:** Remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

**NOTE TO PHYSICIAN:** The physician's judgment should be used to control symptoms and clinical condition based on the individual reactions of the patient.

---

## SECTION 5: FIRE FIGHTING MEASURES

---

### FLAMMABLE PROPERTIES

OSHA FLAMMABILITY CLASSIFICATION: Not applicable

FLASH POINT: None

UPPER FLAMMABILITY LIMIT: Not applicable

LOWER FLAMMABILITY LIMIT: Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

FIRE AND EXPLOSION HAZARD: Negligible fire hazard when exposed to heat or flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and oxides of nitrogen.

### EXTINGUISHING MEDIA

Dry chemical, carbon dioxide, water spray or regular foam.

### PROTECTION OF FIREFIGHTERS

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Extinguish only if flow can be stopped; use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing vapors, keep upwind.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

### PERSONAL PRECAUTIONS

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

### ENVIRONMENTAL PRECAUTIONS

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

### METHODS FOR CONTAINMENT AND CLEAN UP

**SMALL SPILLS:** Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. **LARGE SPILLS:** Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

---

## SECTION 7: HANDLING AND STORAGE

---

### HANDLING:

Do not get in eyes. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists.

### STORAGE:

Store in original containers in a cool dry area. Store away from incompatible substances and excessive heat. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

---

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

---

This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. The information provided below refers to the occupational settings.

### WORKER EXPOSURE LIMITS

The following exposure limits exist for the ingredients listed below. The TLV-TWA is the ACGIH Threshold Limit Value – Time Weighted Average. TLV-Ceiling Limit is the ACGIH Threshold Limit Value – Ceiling Limit. PEL-TWA is the OSHA Permissible Exposure Limit.

INGREDIENT	CAS NUMBER	EXPOSURE LIMIT
Glycerin	56-81-5	TLV-TWA: 10 mg/m <sup>3</sup> (mist), PEL-TWA: 5mg/m <sup>3</sup> (respirable fraction), PEL-TWA: 10 mg/m <sup>3</sup> (total mist)

**ENGINEERING CONTROLS:** Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

**RESPIRATOR:** Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

**FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:** Any self-contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure demand or other positive-pressure mode.

**CLOTHING:** Protective clothing is required where repeated or prolonged skin contact may occur.

**GLOVES:** Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

**EYE/FACE PROTECTION:** Safety glasses are required to prevent eye contact where splashing of product may occur.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Clear or colored liquid	PHYSICAL STATE:	Liquid
ODOR/ODOR THRESHOLD:	Slight chemical odor	VAPOR DENSITY:	Not available
pH (@ 25°C):	5.5 – 6.5	VAPOR PRESSURE:	Not available
BOILING POINT:	Not available	FLASH POINT:	See Section 5.
MELTING/FREEZING POINT:	Not available	SOLUBILITY IN WATER:	Nearly Complete
FLAMMABLE PROPERTIES:	See Section 5.	EVAPORATION RATE:	Not available
DENSITY/SPECIFIC GRAVITY:	1.05 – 1.09 g/ml		
OCTANOL/WATER PARTITION COEFFICIENT (K <sub>ow</sub> ):	Not available		
VISCOSITY:	Not available		

**SECTION 10: STABILITY AND REACTIVITY**

CHEMICAL STABILITY:	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
CONDITIONS TO AVOID:	Avoid storing in direct sunlight and avoid extremes of temperature.
INCOMPATIBLE MATERIALS:	Strong oxidizers, acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may release toxic and/or hazardous gases, including ammonia.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

PRODUCT INFORMATION SUMMARY: This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes may cause mild transient irritation. Repeated or prolonged excessive exposure may cause irritation or dermatitis.

COMPONENT ANALYSIS: The following toxicity information is for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

INGREDIENT	LD50 / DRAIZE SCORE	TOXICITY / IRRITATION RATING
<b>ACUTE ORAL TOXICITY</b>		
Glycerin	12,600 mg/kg (rat)	Non-hazardous
Triclosan	3,700 mg/kg (rat)	Moderately Toxic
Dipropylene glycol	13,300 mg/kg (rat)	Non-hazardous
<b>ACUTE DERMAL TOXICITY</b>		
Glycerin	> 10,000 mg/kg (rabbit)	Non-hazardous
Triclosan	9,300 mg/kg (rabbit)	Practically Non-hazardous
Dipropylene glycol	> 20,600 mg/kg (rabbit)	Non-hazardous
<b>ACUTE INHALATION TOXICITY</b>		
Glycerin	> 570 mg/m <sup>3</sup> (rat)	Toxic

SENSITIZATION: This product is not considered a skin or respiratory sensitizer.

CARCINOGENICITY: None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

MUTAGENICITY: None of the ingredients in this product are known to cause mutagenicity.

REPRODUCTIVE/FETAL/DEVELOPMENTAL TOXICITY: None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

TARGET ORGAN TOXICITY: None of the ingredients in this product are known to have target organ toxicity.

EPIDEMIOLOGICAL INFORMATION: None of the ingredients in this product are known to have health-related information in working populations.

**SECTION 12: ECOLOGICAL INFORMATION**

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

PRODUCT / INGREDIENT	LC50/EC50 (ANIMAL SPECIE)	TOXICITY RATING
<b>VERTEBRATES</b>		
Glycerin	96-hr LC50: 50 mg/L (Oncorhynchus mykiss)	Harmful
Dipropylene glycol	24-hr LC50: > 5,000 mg/L (Carassius auratus)	Practically Non-Hazardous
<b>INVERTEBRATES</b>		
Glycerin	24-hr EC50: > 500 mg/L (Daphnia magna)	Practically Non-Hazardous

ENVIRONMENTAL FATE: No environmental fate data exists for the product. The product is anticipated to be rapidly biodegradable.

PERSISTENCE AND DEGRADABILITY: The persistence and degradability of this product has not been determined.

BIOACCUMULATION POTENTIAL: The bioaccumulation potential of this product has not been determined.

MOBILITY: The mobility of this product (in soil and water) has not been determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE NUMBER AND DESCRIPTION: Not applicable, not regulated.

DISPOSAL CONSIDERATIONS: This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**GROUND TRANSPORT**

DOT Hazard Class:	Not regulated	Packing Group:	Not applicable
DOT Proper Shipping Name:	Not applicable	Shipping Label Information:	Not applicable
UN/NA Number:	Not applicable		

**AIR TRANSPORT (ICAO/IATA)**

ICAO/IATA Hazard Class:	Not regulated
ICAO/IATA Proper Shipping Name:	Not applicable

**MARINE TRANSPORT (IMDG/IMO)**

IMDG/IMO Hazard Class:	Not regulated
IMDG/IMO Proper Shipping Name:	Not applicable

**SECTION 15: REGULATORY INFORMATION**

**UNITED STATES:**

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

The Occupational Safety and Health Administration requires Material Safety Data Sheets to provide any hazards that may be associated with the product, and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain additional health hazard information not pertinent to consumer use.

FOOD AND DRUG ADMINISTRATION:

This product is regulated as a cosmetic under the Food and Drug Administration.

EPA - SARA TITLE III SECTION 313: Not applicable - Consumer product.

EPA CERCLA/SARA TITLE III SUPERFUND AMENDMENT AND REAUTHORIZATION ACT:

This product contains no CERCLA/SARA Title III materials. This product contains no hazardous chemicals reportable under Sections 311/312. This product contains no hazardous chemicals reportable under Section 304.

TSCA: All components of this product are either listed on or exempt from the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

**STATE REGULATIONS**

CALIFORNIA PROPOSITION 65: This product does not contain substances listed under California Proposition 65.

**CANADA:**

CANADIAN ENVIRONMENTAL PROTECTION ACT:

INVENTORY STATUS: Some components of this product are not listed on the Canadian Domestic Substances List (DSL) nor the NDSL.

HEALTH CANADA:

This product is regulated as a cosmetic product under the Cosmetics Programme.

WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM:

WHMIS CLASSIFICATION: Not subject to classification.

---

**SECTION 16: OTHER INFORMATION**

---

DISCLAIMER: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature is made hereunder with respect to the information set forth herein or to the product to which the information refers.

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0

HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0

MSDS CREATION DATE: 12/12/00

SUPERCEDES: 07/29/09, Rev. 12

REVISION DATE: 11/02/09

REVISION: Updated Formula I.D. Numbers.

Item # 7

L-132

Safety Data Sheet



Revision Number: 036.0

Issue Date: 04/20/2015

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label:

- Dial® Antibacterial Hand Soap – Mountain Fresh, Spring Water, Pomegranate and Tangerine, Gold, Aloe
Dial® Antibacterial Hand Soap – White Tea & Vitamin E (Fresh Snow)
Berkley & Jensen® Antibacterial Liquid Hand Soap
Dial® Antibacterial Hand Soap – Hello Kitty
Dial® Seasonals Collection Antibacterial Liquid Hand Soap – Blackberry & Coriander, Red Grapes & Mint, Cranberry & Fig, Spiced Apple & Pear, Tropical Bloom, Fruit Splash, Exotic Escape, Refreshing Escape
Dial® Skin Therapy Antibacterial Liquid Hand Soap - Himalayan Pink Salt
Dial® Lavender & Twilight Jasmine Antibacterial Liquid Hand Soap
Dial® Gold Antibacterial Hand Soap – Professional
Liquid Dial® with Moisturizers
Liquid Dial® Sensitive Skin

Other means of identification:

714729, 1631912 (Mountain Fresh); 1533782, 714757, 1631890, 1763465 (Spring Water); 1112000, 1151446, 1631899 (Pomegranate and Tangerine); 1198192, 1305319, 1632015, 1679927 (Gold); 1198180, 1305318, 1632019, 1661407, 1679939, 1763472 (Aloe); 1362663, 1631897 (White Tea & Vitamin E, Fresh Snow); 1365866 (Berkley & Jensen); 1605423, 1606021, 1631872 (Hello Kitty); 1693185 (SC Blackberry & Coriander), 1693201 (SC Red Grapes & Mint), 1713197 (SC Cranberry & Fig); 1713166 (SC Spiced Apple & Pear); 1742158 (SC Tropical Bloom); 1729985 (SC Fruit Splash); 1802082 (Exotic Escape); 1802073 (Refreshing Escape); 1715643 (Skin Therapy - Himalayan Pink Salt), 1778120 (Lavender & Twilight Jasmine); 1679927 (Professional); 1756809 (w/Moisturizers); 1756400 (Sensitive Skin)

Recommended use of the chemical and restrictions on use:

Liquid Antibacterial Hand Soap; No restrictions on use

Name, address and telephone number of the chemical manufacturer:

The Dial Corporation, a Henkel Company
7201 E. Henkel Way
Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)
Internet: www.henkelna.com

Emergency telephone number: Medical Emergencies: 1-888-689-9082

2. HAZARD IDENTIFICATION

The hazards described in this OSHA Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

Table with 2 columns: HAZARD CLASS, HAZARD CATEGORY. Row 1: None, None

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: Not prescribed
Hazard Statement(s): Not prescribed
Symbol(s): None

Precautionary Statements

Prevention: Not prescribed
Response: Not prescribed
Storage: Not prescribed
Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	68585-34-2	5 – 10 %
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	1 – 5 %

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

### 4. FIRST AID MEASURES

#### Description of necessary measures

**Inhalation:** First aid measures not required.  
**Skin contact:** First aid measures not required. Cosmetic product and therefore not necessary.  
**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.  
**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

#### Most important symptoms and effects, both acute and delayed

After eye contact: May cause mild transient irritation. After skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis. After ingestion: Nausea and possible vomiting may occur. After inhalation: Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.

#### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: Rinse affected area with mild soap and water until no evidence of product remains. After ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.  
**Unsuitable extinguishing media:** None known

#### Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing hazardous vapors, keep upwind.

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

#### Environmental Precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

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

**SMALL SPILLS:** Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water.  
**LARGE SPILLS:** Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Do not get in eyes. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists.

#### Conditions for safe storage, including any incompatibilities

Store in original containers in a cool dry area. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH	OSHA PEL	AIHA WEEL	OTHER
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	None	None	None

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

**Respiratory:** Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of the product may occur.

**Hand/Body:** Protective gloves are required where repeated or prolonged skin contact may occur.  
Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	liquid, colorless
<b>Odor:</b>	citric, green, fresh
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	5.20 - 6.20 25 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F)
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	3,000 – 8,000 mPas
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	1.024 at 20 °C (68°F)

## 10. STABILITY AND REACTIVITY

**Reactivity:** This product may react with strong alkalis.

**Chemical stability:** Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

**Possibility of hazardous reactions:** Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

**Conditions to avoid:** Avoid storing in direct sunlight and avoid extremes of temperature.

**Incompatible materials:** Strong oxidizers and alkalis.

**Hazardous decomposition products:** Thermal decomposition may release toxic and/or hazardous gases, including ammonia.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.
<b>Skin contact:</b>	Not a hazard under normal use conditions.
<b>Eye contact:</b>	This product may cause slight irritation.
<b>Ingestion:</b>	May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
<b>Physical/Chemical:</b>	No physical/chemical hazards are anticipated for this product.

**Other relevant toxicity information:**

This product is a personal care or cosmetic product. Direct contact with eyes may cause irritation. No adverse effects are anticipated to skin from normal use.

**Numerical measures of toxicity, including delayed and immediate effect**

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	Irritant
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	None	Irritant, Allergen

**Carcinogenicity information**

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	No	No	No
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	No	No	No

**Carcinogenicity** None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

**Mutagenicity** None of the ingredients in this product are known to cause mutagenicity.

**Toxicity to reproduction** None of the ingredients in this product are known to have reproductive, fetal, or developmental hazards.

**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:**

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions.

**Toxicity to fish:**

The aquatic toxicity profile of this product has not been determined.

**Toxicity to aquatic invertebrates:**

The aquatic toxicity profile of this product has not been determined.

**Toxicity to algae:**

The aquatic toxicity profile of this product has not been determined.

**Persistence and Degradability:** The persistence and degradability of this product has not been determined. The hazardous ingredients are readily biodegradable.

Hazardous substances	Result value	Route of application	Species	Method
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	Readily biodegradable	aerobic	80 – 83 %	OECD 301 B (CO2 evolution)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,Ndimethyl-,N-coco acyl derivs., hydroxides, inner Salts	Readily biodegradable	aerobic	86 %	OECD 301 D (closed bottle)

**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.

**Mobility:** The mobility of this product (in soil and water) has not been determined.

**13. DISPOSAL CONSIDERATIONS**

**Waste Number and Description:** Not applicable, not regulated.

**Disposal Considerations:**

**Disposal of products:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**Disposal of packages:** Place in trash.

**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance

**14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**International Air Transportation (ICAO/IATA)**

Proper shipping name: None  
 Hazard class or division: None  
 Identification number: None  
 Packing group: None

**Water Transportation (IMO/IMDG)**

Proper shipping name: None  
 Hazard class or division: None  
 Identification number: None  
 Packing group: None  
 Marine pollutant: None

---

**15. REGULATORY INFORMATION**

---

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information:**

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 302:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 311/312:</b>	Not available.
<b>CERCLA/SARA Section 313:</b>	None above reporting de minimis
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information:**

**CEPA DSL/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

---

**16. OTHER INFORMATION**

---

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This safety data sheet contains changes from the previous version in sections: 2, 12

Prepared by: R&D Support Services

Issue date: 04/20/2015

Supercedes: Rev. 35, 08/06/2014

Item # 14

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

<b>Trade Name:</b> DW-Baby Wipes Unscented (80ct/Tub)		<b>Manufacturer:</b> Royal Paper Products, Inc 99 North Caln Road Coatesville Pa 19320 <b>Phone:</b> (800) 666-6655 Rev.01 4/2/07	
<b>Synonyms:</b> Moist skin-cleansing towelette; disposable hot/cold paper towel			
<b>Chemical Family:</b> not applicable	<b>Formula:</b> liquid mixture on a non-woven substrate		
<b>Generic Name:</b> not applicable	<b>Molecular Weight:</b> not applicable		

## II. INGREDIENTS

This product is subject to the full labeling disclosure regulations of 21 CFR 701 and therefore is not subject to the hazard communications regulations of 29 CFR 1910.1200.

COMPONENT (chemical/ common name/synonym)	HAZARD DATA
Water [CAS #7732-18-5]	OSHA, AGIH: not listed
Polysorbate 20 [CAS #9005-64-5]	OSHA, AGIH: not listed
Phenoxyethanol [CAS #122-99-6]	OSHA, AGIH: not listed
Methyl paraben [CAS #99-76-3]	OSHA, AGIH: not listed
Ethyl paraben [CAS #120-47-8]	OSHA, AGIH: not listed
Propyl paraben [CAS #95-13-3]	OSHA, AGIH: not listed
Butyl paraben [CAS #94-26-8]	OSHA, AGIH, not listed
Isobutyl paraben [CAS #4247-02-3]	OSHA, AGIH: not listed
Aloe vera [CAS #85507-69-3]	OSHA, AGIH: not listed

CONTAINS NO IARC, NTP, OR OSHA CARCINOGENS SUBJECT TO SARA TITLE III SECTION 313

## III. PHYSICAL DATA

<b>Boiling Point, 760 mm Hg:</b> not applicable	<b>Melting Point:</b> not applicable
<b>Specific Gravity:</b> not applicable (water = 1)	<b>Solubility in water:</b> no
<b>Vapor Pressure:</b> not applicable (mm Hg)	<b>Vapor Density:</b> not applicable (air = 1)
<b>% Volatile:</b> NE (by weight)	<b>Evaporation Rate:</b> NE (Butyl Acetate = 1)
<b>Appearance:</b> moist soft paper towel	<b>Odor:</b> unscented

## IV. FIRE AND EXPLOSION DATA

<b>Flash Point (TCC):</b> not applicable	<b>Auto-ignition Temp:</b> not applicable	
<b>Flammability Limits in Air (% volume):</b> not applicable	<b>LEL</b> NE	<b>UEL</b> NE

**Extinguishing Media:** use extinguishing media appropriate for surrounding fire

**Special Fire Fighting Procedures:** Self-Contained Breathing Apparatus recommended

**Unusual Fire and Explosion Hazards:** no unusual fire and explosion hazards

**NFPA 704 Fire Hazard Ratings:** Health = 0 Flammability = 1 Reactivity = 0

### V. HEALTH HAZARDS

<b>Inhalation</b>	no evidence of adverse effects from available information
<b>Skin Contact</b>	no evidence of adverse effects from available information: may irritate hyper-sensitive individuals
<b>Skin Absorption</b>	no evidence of adverse effects from available information
<b>Ingestion</b>	no evidence of adverse effects from available information; paper towel may present a choking hazard to children and pets
<b>Eye Contact</b>	no evidence of adverse effects from available information: may irritate hyper-sensitive individuals
<b>Health Hazard</b>	<b>Acute:</b> none known <b>Chronic:</b> none known
<b>Eyes</b>	<b>EMERGENCY AND FIRST AID PROCEDURES</b> rinse eyes with large amounts of water; consult physician if irritation persists
<b>Skin</b>	wash thoroughly with soap and water; consult physician if irritation persists
<b>Inhalation</b>	breathe fresh air
<b>Ingestion</b>	insure that paper towel has not blocked airway; use standard procedures to unblock airway
<b>Notes to Physician</b>	no special procedures recommended

### VI. REACTIVITY DATA

**Stability:** stable                      **Conditions to Avoid:** prolonged storage at elevated temperatures (>130°F) may dry product

**Chemical Incompatibility:** none known                      **Hazardous Decomposition Products:** none known

### VII. CONTROL AND PROTECTIVE MEASURES

No special controls and protection measures necessary for the consumer

### VIII. SPILL OR LEAK PROCEDURE

No special spill or leak procedures necessary for the consumer

### IX. SPECIAL PROTECTION INFORMATION

No special protection information necessary for the consumer

### X. SPECIAL PRECAUTIONS

**Handling and Storage:** prolonged storage at elevated temperatures (>130°F) may dry product

**Other Precautions:** paper towel may present a choking hazard to children and pets

product should not be used if there is evidence of package tampering

We believe the statements, technical information and recommendations contained herein are reliable, but are given without warranty or guarantee.



# SAFETY DATA SHEET



#16

## 1. Product and Company Identification

Product identifier	Hygea Multi-Purpose Washcloths	SDS 0073-00
Other means of identification	Hygea Adult Washcloth, Hygea Premium Multi-Purpose Washcloths	
Recommended use	Personal Cleansing	
Recommended restrictions	For external use only.	
Manufacturer	Professional Disposables International, Inc. Two Nice-Pak Park, Orangeburg, NY 10962-1376 or Distributed By: Professional Disposables International, LTD Vaughan, Ontario L4L 4K9 Canada Phone: (USA) 1-845-365-1700 (M-F 9am - 5pm) Phone: (CANADA) 1-800-263-7067 Emergency Phone: 1-800-999-6423	

## 2. Hazards Identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Follow good hygienic and housekeeping practices.
Response	If skin irritation occurs, discontinue use.
Storage	Store according to package label instructions.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

## 3. Composition/Information on Ingredients

Mixture	
Composition comments	Not applicable to notified cosmetics. Refer to product label for ingredient content.

## 4. First Aid Measures

Inhalation	Not a normal route of exposure. If symptoms develop, remove to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Product intended to be used on skin. In case of skin irritation, discontinue use of product.
Eye contact	Not a normal route of exposure. If irritation occurs, flush eyes with water for several minutes.
Ingestion	Not a normal route of exposure. If ingestion occurs, obtain medical attention. May result in obstruction and irritation if ingested.
Most important symptoms/effects, acute and delayed	None expected
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

---

## 5. Fire Fighting Measures

---

<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In the event of fire, cool product with water spray. Cool containers with flooding quantities of water until well after fire is out.
<b>Specific methods</b>	Move products from fire area if you can do so without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

---

## 6. Accidental Release Measures

---

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid direct release into waterways and sewers.

---

## 7. Handling and Storage

---

<b>Precautions for safe handling</b>	Do not flush in toilet. Use according to package label instructions. Practice good housekeeping.
<b>Conditions for safe storage, including any incompatibilities</b>	Store at room temperature. Keep container closed until ready for use.

---

## 8. Exposure Controls/Personal Protection

---

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	This material does not have established exposure limits.
<b>Appropriate engineering controls</b>	General ventilation normally adequate.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Not normally required.
<b>Skin protection</b>	
<b>Hand protection</b>	Not normally required.
<b>Other</b>	Not normally required.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>Thermal hazards</b>	Not available.
<b>General hygiene considerations</b>	Follow good hygienic and housekeeping practices.

---

## 9. Physical and Chemical Properties

---

<b>Appearance</b>	Towel saturated with colorless liquid
<b>Physical state</b>	Solid.
<b>Form</b>	Pre-moistened towelette.
<b>Color</b>	White
<b>Odor</b>	Floral
<b>Odor threshold</b>	Not available.
<b>pH</b>	4 - 5.5 (liquid)
<b>Melting point/freezing point</b>	Not available.

---

<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	1 (liquid)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) (liquid)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Wipe not soluble
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

---

## 10. Stability and Reactivity

---

<b>Reactivity</b>	None known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	None when used and stored according to label directions.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of nitrogen. Oxides of phosphorus. Oxides of carbon.

---

## 11. Toxicological Information

---

<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Not a normal route of exposure. May result in obstruction and irritation if ingested. May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	Health injuries are not known or expected under normal use.
<b>Skin contact</b>	Health injuries are not known or expected under normal use.
<b>Eye contact</b>	Health injuries are not known or expected under normal use.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	There are no hazards associated with this product in normal use.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	Not available.
<b>Skin corrosion/irritation</b>	Non-irritating based on test data.
<b>Exposure minutes</b>	Not available.
<b>Erythema value</b>	Not available.
<b>Oedema value</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Health injuries are not known or expected under normal use.
<b>Corneal opacity value</b>	Not available.
<b>Iris lesion value</b>	Not available.

Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
<b>Respiratory or skin sensitization</b>	
Respiratory sensitization	Not available.
Skin sensitization	Not a skin sensitizer based on test data.
Germ cell mutagenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA and ACGIH.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	The finished product is not expected to have chronic health effects.
Further information	This product has no known adverse effect on human health.
Name of Toxicologically Synergistic Products	Not available.

---

## 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.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not 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	Dispose of used towelette in trash. Do not flush in toilet.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Assign as required.
Waste from residues / unused products	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	Since emptied packages may retain product residue, follow label warnings even after container is emptied.

---

## 14. Transport Information

---

<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.

---

## 15. Regulatory Information

---

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
WHMIS classification	Exempt - Notified cosmetic under the Food & Drugs Act
US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	
	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	
	Not listed.

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

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

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

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations**

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Regulated as a cosmetic.

**US state regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**Inventory status**

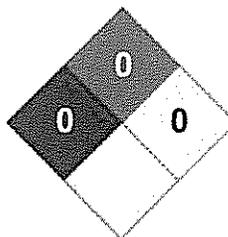
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date** 08-June-2015  
**Effective date** 08-June-2015  
**Expiry date** 08-June-2018

**Further information**

For any questions surrounding this SDS, please contact the supplier/manufacturer listed on the first page of the document.

Revision 1. Changed name to Hygea Multi-Purpose Washcloths, added alternate identifiers. (A.Regalado)

Based on bulk liquid # 4BJ14101.

**Prepared by**

Professional Disposables International, Inc. Phone: 1-845-365-1700

**Other information**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.