



World Class Cleaning & Hygiene Solutions™

SAFETY DATA SHEET

Section 1 - Identification

Table with 2 columns: Property and Value. Includes Product Identifier, Other means of identification, Recommended use, Recommended restrictions, and Manufacturer/Importer/Supplier/Distributor Information.

Section 2 - Hazard(s) Identification

Table with 3 columns: Hazard, Classification, and Category. Lists Physical Hazards, Health Hazards, OSHA defined hazards, Label Elements, and Precautionary statements.

Section 3 - Composition/Information on ingredients

Table with 2 columns: Mixture and Description. States that components are not hazardous or are below required disclosure limits.

Section 4 - First-aid Measures

Table with 2 columns: Measure and Description. Details first-aid steps for Inhalation, Skin contact, Eye contact, Ingestion, and General Information.

Section 5 - Fire-fighting measures

Table with 2 columns: Measure and Description. Details fire-fighting measures including suitable/unsuitable extinguishing media and special protective equipment.

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**Fire-fighting equipment /instructions** Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.

## Section 6 - Accidental release measures

**Personal precautions, protective equipment and emergency procedures.** Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.

**Methods and materials for containment and cleaning up** SMALL SPILLAGE: Absorb spillage with suitable absorbent material. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.  
LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

**Precautions for safe handling** Avoid contact with eyes. Use Personal Protective Equipment recommended in section 8 of the SDS.

**Conditions for safe storage, including any incompatibilities** Store away from incompatible materials. Keep container closed.

## Section 8 - Exposure control/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Use personal protective equipment as required. Keep working clothes separately.

**Appropriate engineering controls** Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities.

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

**Eye/face protection** If use of product risks exposure to contact, wear safety glasses with side shields.

**Skin protection**

**Hand protection** Impervious gloves are recommended for prolonged use.

**Other** If use of product risk exposure to contact, wear suitable protective clothing.

**Respiratory protection** In case of inadequate ventilation, use respiratory protection.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9 - Physical and chemical properties

**Appearance** Clear.

**Physical state** Liquid.

**Form** Liquid.

**Color** Red.

**Odor** None. No fragrance added.

**Odor threshold** Not available.

**pH** 9.7 ± 0.5 (Diluted 1:64)

9.7 ± 0.5 (Diluted 1:32)

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 212 °F (100 °C)

**Flash point** > 212.0 °F (> 100.0 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Similar to water.

**Vapor density** Similar to water.

**Relative density** 1.01 ± 0.01

**Relative density temperature** 75 °F (23.9 °C)

**Solubilities (water)** 100 % Soluble.

**Partition Coefficient n-octanol/water** Not available.

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Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 10 cP
Viscosity Temperature	75 °F (23.9 °C)

## Section 10 - Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

## Section 11 - Toxicological information

### Information on likely routes of exposure

Ingestion	No adverse effects due to ingestion are expected.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Cause slight eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Mild eye irritation. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

### Information on toxicological effects.

**Acute toxicity** Not expected to be hazardous.

Components	Level	Type	Code	Species	Results
Alcohols, C9-11, ethoxylate (CAS 68439-46-3)	Acute	Dermal	LD50	Rabbit	> 2 g/kg
	Acute	Oral	LD50	Rat	1378 mg/kg

**Skin corrosion/irritation** Prolonged or repeated contact may dry skin and cause irritation.

**Serious eye damage/ eye irritation** May cause slight eye irritation.

**Respiratory sensitization** Not classified.

**Skin sensitization** Not available.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** Not classified.

**Reproductive toxicity** Not classified.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

## Section 12 - Ecological Information

**Ecotoxicity** The product contains a substance which is toxic to aquatic organisms. The product as a whole 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.

### Component(s)

Alcohols, C9-11, ethoxylate, 68439-46-3

### Aquatic

Level	Type	Code	Species	Test Results
Acute	Crustacea	EC50	Water flea (Daphnia magna)	2.9 - 8.5 mg/l, 48 hours
	Fish	LC50	Fathead minnow (Pimephales promelas)	6 - 12 mg/l, 96 hours
	Fish	LC50	Flathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours

**Persistence and degradability** The product is expected to be biodegradable.

**Bioaccumulative potential** Not known.

**Mobility in soil** Not available.

**Mobility in general** The product is water soluble and may spread in water systems.

**Other adverse effects** None known.

## Section 13 - Disposal considerations

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<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Waste codes should be assigned by the user based on the application for which the product was used.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

**General Information**      This product is customer diluted for on site use only. No transportation information is anticipated or provided. The regulatory transport classification of the product without consideration to dilution strength, packaging, quantity, or modal restrictions and exceptions can not be anticipated. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

## Section 15 - Regulatory Information

**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 CFR707, Subpt. D)</b>	Not regulated.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not on regulatory list.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.

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

<b>Hazard Categories</b>	Immediate Hazard	No
	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	No
<b>SARA 302 Extremely hazardous substance</b>		No
<b>SARA 311/312 Hazardous chemical</b>		No
<b>SARA 313 (TRI reporting)</b>		Not regulated.

**Other federal regulations**

<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List</b>		Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>		Not regulated.
<b>Drug Enforcement Administration (DEA), List 1 2</b>	Not regulated.	
<b>Exempt Chemical Mixtures (21 CFR 1310.12(c))</b>		
<b>DEA Exempt Chemical Mixtures Code Number</b>		Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.	
<b>Food and Drug Administration (FDA)</b>	Not regulated.	

**US state regulations**

<b>US.Massachusetts RTK - Substance List</b>	Not regulated.
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Not listed.
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Not listed.
<b>US.Rhode Island RTK</b>	Not regulated.

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

**International Inventories**

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

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

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## Section 16 - Other information, including date of preparation or last version

**Issue date** 5/17/2019

**Version #** 01

**Further information** Not available.

**References** HSDB® - Hazardous Substances Data Bank  
HPVIS - High Production Volume Information System

**HMIS Hazard Codes**

PPE A

**Disclaimer**

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.