



Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

### Section 4: First-Aid Measures

#### Description of first aid measures

<b>Skin Contact</b>	Wash skin with soap and water
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

#### Indication of any immediate medical attention needed

<b>Notes to Physician</b>	Treat symptomatically.
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See toxicological information (Section 11)

### Section 5: Fire-Fighting Measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Caution: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	No Information available.
<b>Explosion data</b>	<b>Sensitivity to Mechanical Impact:</b> None. <b>Sensitivity to Static Discharge:</b> None.
<b>Protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6: Accidental Release Measures

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

<b>Personal precautions</b>	Ensure adequate ventilation, especially in confined areas.
<b>Environmental precautions</b>	See Section 12 for additional ecological information.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.

### Section 7: Handling and Storage

#### Precautions for safe handling

<b>Advice on general occupational hygiene</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible materials</b>	None known based on information supplied.

### Section 8: Exposure Controls/Personal Protection

## Control parameters

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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## Appropriate engineering controls

<b>Engineering Controls</b>	Showers, Eyewash stations & Ventilation systems.
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## Individual protection measures

<b>Eye/face protection</b>	Wear safety glasses if handling large volume.
<b>Skin and body protection</b>	No special technical protective measures are necessary
<b>Respiratory protection</b>	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.
<b>General Hygiene</b>	Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Viscous Liquid
<b>Color</b>	Blue
<b>Odor</b>	Fresh & Clean
<b>Odor threshold</b>	No Information available
<b>pH</b>	7.5
<b>Specific Gravity</b>	1.01
<b>Viscosity</b>	> 500 cP @ 25°C
<b>Melting point/freezing point</b>	No Information available
<b>Flash point</b>	None
<b>Boiling point / boiling range</b>	212 ° F
<b>Evaporation rate</b>	No Information available
<b>Flammability (solid, gas)</b>	
<b>Flammability Limits in Air</b>	
<b>Upper flammability limit:</b>	Not Applicable
<b>Lower flammability limit:</b>	Not Applicable
<b>Vapor pressure</b>	No Information available
<b>Vapor density</b>	No Information available
<b>Water solubility</b>	Complete

**Partition coefficient** No Information available

**Autoignition temperature** No Information available

**Decomposition temperature** No Information available

**Density Lbs/Gal** 8.41

**VOC Content (%)** Not Applicable

### Section 10: Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** None under normal processing.

**Conditions to avoid:** Extremes of temperature and direct sunlight.

**Incompatible materials:** None known based on information supplied.

**Hazardous decomposition products:** None known based on information supplied.

### Section 11: Toxicological Information

#### Information on likely routes of exposure

<b>Product Information</b>	Maybe harmful by inhalation, ingestion and in contact with eyes.
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	May cause gastro intestinal irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Dodecylbenzene Sulfonate	= 438 mg/kg ( Rat ) = 500 mg/kg ( Rat )	Yes	Yes

#### Information on toxicological

##### Symptoms

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

**Sensitization** No Information available.

**Germ cell mutagenicity** No Information available.

**Carcinogenicity** No Information available.

**Reproductive toxicity** No Information available.

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

**STOT - repeated exposure** No Information available.

**Aspiration hazard** No Information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity**

0.3% of the mixture consists of ingredient(s) of unknown toxicity

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

<b>Section 12: Ecological information</b>
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**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Dodecylbenzene Sulfonate	Yes	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	Yes
	Yes	5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi- static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Other adverse effects**

Not available.

<b>Section 13: Disposal considerations</b>
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Disposal of wastes



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

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Dodecylbenzene Sulfonate	1000 lb	Yes	Yes	X

### CERCLA

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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Dodecylbenzene Sulfonate	1000 lb	Yes	RQ 1000 lb final RQ RQ 454 kg final RQ

### US State Regulations

#### California Proposition

This product does not contain any Proposition 65 chemicals

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Dodecylbenzene Sulfonate	X	X	X

### U.S. EPA Label Information

EPA Pesticide Registration Number      Not Applicable

### Section 16: Other information

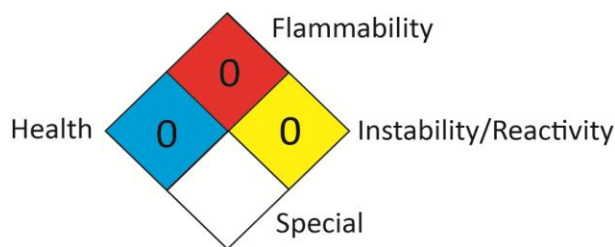
Hazardous Material Information System (U.S.A.):

Health	*0
Flammability	0
Physical hazards	0

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

**National Fire Protection  
Association:**



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### **Notice to reader**

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