



**First aid measures**

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Consult a physician if necessary.
<b>Inhalation</b>	Move to fresh air. Consult a physician if necessary.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

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

<b>Symptoms</b>	No information available.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. Fire-Fighting Measures**

**Suitable extinguishing media**

Water spray or fog is preferred; if water not available use dry chemical, CO2 or regular foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

**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**

<b>Personal precautions</b>	Remove all sources of ignition. Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.
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<b>Other Information</b>	Report spills as required to the appropriate authorities.
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**Environmental precautions**

<b>Environmental precautions</b>	No unusual hazard.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Clean-up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take all appropriate steps to avoid contamination of ground water.
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**7. Handling and Storage**

**Precautions for safe handling**

<b>Handling</b>	Avoid contact with eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers.
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**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

**Incompatible materials** Acids and oxidizing agents.

## 8. Exposure Controls/Personal Protection

### Control parameters

### Exposure guidelines

#### Appropriate engineering controls

**Engineering controls** Use in well ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m<sup>3</sup>; ACGIH TLV STEL: 10 mg/m<sup>3</sup>; OSHA PEL TWA: 5 mg/m<sup>3</sup>).

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

**Eye/face protection** Safety glasses with side-shields.

**Skin and Body Protection** Use protective gloves and clothing if contact with product is likely.

**Respiratory protection** If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild
<b>appearance</b>	Green	<b>Odor threshold</b>	No information available
<b>Color</b>	Green		
<b>Property</b>	<b>Values</b>		
<b>pH</b>	9.2 - 9.4		
<b>Melting point / freezing point</b>	No information available		
<b>Boiling point</b>	143 °C / 289 °F		
<b>Flash point</b>	160 °C / 320 °F		
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No unusual hazard		
<b>Lower flammability limit</b>	No unusual hazard		
<b>Vapor pressure</b>	< 0.01 mmHg @ 20 °C		
<b>Vapor density</b>	> 5		
<b>Specific gravity</b>	1.02 - 1.04		
<b>Water solubility</b>	Soluble in water		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	78 - 91 cSt @ 40°C / 361 - 422 SUS @ 100°F		
<b>Dynamic viscosity</b>	No information available		
<b>VOC Content, % Vol</b>	Request additional information		

## 10. Stability and Reactivity

### Reactivity

No unusual hazard

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal use conditions.

**Hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Acids and oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

**11. Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known information
<b>Inhalation</b>	No unusual hazard.
<b>Eye contact</b>	No unusual hazard.
<b>Skin contact</b>	No unusual hazard.
<b>Ingestion</b>	No unusual hazard.

**Information on toxicological effects**

**Symptoms**      None known.

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

<b>Skin corrosion/irritation</b>	No unusual hazard.
<b>Serious eye damage/eye irritation</b>	No unusual hazard.
<b>Sensitization</b>	No known effect.
<b>Mutagenic Effects</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.
<b>Reproductive effects</b>	No known effect.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No known effect.
<b>Aspiration Hazard</b>	No unusual hazard.

**Numerical measures of toxicity - Product Information**

**Oral LD50**      > 5000 mg/kg (rat)

**12. Ecological Information**

S-1001

**Ecotoxicity**

No unusual hazard

**Persistence/Degradability**

No information available.

**Other adverse effects**

None known

**13. Disposal Considerations**

**Waste treatment methods**

**Waste Disposal Method**

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

**Contaminated packaging**

Do not reuse empty containers.

**14. Transport Information**

**DOT**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**TDG**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**IMDG/IMO**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**ADR/RID**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated

S-1001

Packing group	Not regulated
ADR/RID-Labels	Not regulated
Description	Not regulated

**IATA**

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Labels	Not regulated
Packing group	Not regulated
Description	Not regulated

**15. Regulatory Information**

**US Federal Regulations**

**SARA 313**

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

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

**CWA (Clean Water Act)**

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

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances 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

**U.S. Regulations & Inventories**

**California Proposition 65**

An ingredient contained within this product is listed under California Proposition 65.

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

The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the TSCA inventory or are exempt from listing. See Section 16 for explanation of column headings.

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

CANADA

**16. Other Information**

<b>NFPA</b>	<b>HEALTH 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical hazard -</b>
<b>HMIS</b>	<b>HEALTH -</b>	<b>Flammability -</b>	<b>Physical Hazards -</b>	<b>Personal Protection -</b>

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**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**