

Ingestion Do not induce vomiting. Drink water to dilute. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms May cause eye and skin irritation. Mists of this product may irritate nasal passages. Can cause irritation to mouth, esophagus and stomach.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

In the presence of extreme heat, as in a fire, this product may react with active metals (e.g. aluminum, zinc, etc.) to release flammable hydrogen gas.

Hazardous Combustion Products Carbon oxides, carbon dioxides and carbon monoxide.

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. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Spills may be slippery.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Contain and collect with an inert absorbent and place into an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure that all containers are labeled in accordance with OSHA regulations. Avoid contact with skin and eyes. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep this product in a properly labeled, tightly closed container. Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Keep out of the reach of children. Do not allow this product to freeze, as the product may require mixings and containers, may split or rupture.

Incompatible Materials Acids. Ammonium salt solutions. Strong oxidizing agents, such as bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Normally not required. Mechanical ventilation recommended when handling in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses are recommended.

Skin and Body Protection Use appropriate protective gloves.

Respiratory Protection Normally not required. Ensure adequate ventilation, especially in confined areas.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Lemon
Appearance	Clear green liquid	Odor Threshold	Not determined
Color	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9 to 10	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 95 °C / > 204 °F	
Evaporation Rate	1	(Water = 1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.040	(Water = 1)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing. Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Acids. Ammonium salt solutions. Oxidizing agents such as bleach.

Hazardous Decomposition Products

When strongly heated, as in a fire, may produce oxides of carbon and various organic compounds.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Eye Contact**

May cause eye irritation..

Skin Contact

May cause skin irritation.

Inhalation

Avoid breathing vapors or mists which may be irritating to the respiratory tract.

Ingestion

Do not taste or swallow. May cause irritation to mouth, esophagus and stomach.

Component Information

None

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

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

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive Toxicity

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

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

None

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

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

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG</u>	Not regulated.

15. REGULATORY INFORMATION**International Inventories**

TSCA	All ingredients are listed or exempt from listing on Chemical Substance Inventory.
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Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory***US Federal Regulations****SARA 311/312 Hazard Categories**

Not determined.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

US State Regulations**California Proposition 65**

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

U.S. State Right-to-Know Regulations

Not determined.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 1	Flammability 0	Physical Hazards 0	Personal Protection B

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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