

Please see Section 16 for the full text of R-Phrases and H-Phrases

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation: Seek fresh air, wash out mouth with water and blow nose thoroughly.

Ingestion: Harmful if swallowed. Wash out mouth thoroughly and seek medical advice.

Skin Contact: Wash the skin with soap & water. Remove contaminated clothing.

Eye Contact: Flush with water (preferably using eye wash equipment) until irritation subsides.

Seek medical advice if symptoms persist

Section 5: Fire-Fighting Measures

5.1 Special Fire Fighting Procedures: Wear positive pressure self-contained breathing apparatus. Smoke fumes from fire may contain hazardous components.

5.2 Fire and Explosion Hazards: Considered non-combustible

5.3 Suitable Extinguishing Media: Foam, CO₂, Water

5.4 Unsuitable Extinguishing Media: N/A

Section 6: Accidental Release Measures

6.1 Personal Precautions: Use personal protection recommended in Section 8.

6.2 Environmental Precautions: Avoid infiltration of large quantities into drains, surface water, ground water and soil.

6.3 Methods and Material for Containment and Clean Up: Contain material with dike or absorbent material. Sweep up/collect spills for possible reuse or transfer to suitable waste container.

6.4 Reference to Other Sections: See section 8 for type of protective equipment. See section 13 for instructions on disposal.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling: No special requirements. Avoid contact with skin and eyes.

7.2 Storage: Do not store in metal containers containing aluminum or copper. Recommended that product not be subject to freezing or stored in direct sunlight. Bulk material to be stored in an area with secondary equipment.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters: Occupational Exposure Limit: Unknown

8.2 Exposure Controls:

Appropriate Engineering: Provide sufficient ventilation during operations which cause vapor formation

Personal Protective Equipment:

Eye Protection: Wear safety goggles if there is a risk of eye splash.

Hand Protection: Wear Impervious Gloves.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: Usually not needed. Use NIOSH approved respirator when mists or vapors are present.

Section 9: Physical and Chemical Properties

9.1 Physical State/Appearance/Odor: Dark Red/Purple liquid with mild odor.

9.2 Information on Basic Physical and Chemical Properties:

Parameter	Value/Unit	Remark
pH (solution for use)	5 to 7	(3% Soln.)
Initial Boiling Point	106C/223F	
Freezing Point	-2C/28F	
Evaporation Rate	0.4	Water
Vapour Pressure	mmHg	Same as Water
Vapour Density	(Air=1)	Not Known
Specific Gravity	1.3.10 to 1.3 .5	(25C/77F)
% Volatiles by Weight		Not Known
Solubility in Water	Completely Miscible	

Section 10: Stability and Reactivity

10.1 Chemical Stability: Stable

10.2 Possibility of Hazardous Reactions:

10.3 Conditions to Avoid: Excessive Heat

10.4 Incompatible Materials: Strong Oxidizers, acids. Avoid contact with Aluminum or Copper containing materials.

10.5 Hazardous Decomposition Products: None Known. Oxidizers of nitrogen and other unknown hazardous materials may form in a fire.

10.6 Hazardous Polymerization: Will Not Occur

Section 11: Toxicological Information

11.1 Information on Toxicological Effects: Accute (Single Exposure) Toxic Tests Product/Similar Product

Toxicological Test Date: Source of Information: Registry of Toxic Effects if Chemical Substance–None Listed

Skin Corrosion/Irritation: May cause slight irritation

Serious Eye Damage/Eye Irritation: May cause slight irritation

Respiratory Sensitization or Skin Sensitization: None Known

Irritation may become severe if exposure is prolonged. Repeated exposure may lead to reddening of skin, rash, dermatitis or other skin reactions.

Section 12: Ecological Information

12.1 Mobility in Soil: Solubility in water: Completely miscible

12.2 Other Adverse Effects: None known

Section 13: Disposal Considerations

13.1 Waste Treatments Methods: This product is not to be considered Hazardous Waste. Dispose of in accordance with Local Authority requirements.

Section 14: Transport Information

14.1 UN-No: Not applicable

14.2 UN Proper Shipping Name: Class 50

14.3 Transport Hazard Class(es): Not applicable

14.4 Packaging Group: Not applicable

14.5 Environmental Hazards: Not applicable

14.6 Special Precautions for User: None

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code: Unknown

Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Special Provisions:

Authorizations / Limitations: Global Inventory Status

Section 16: Other Information

16.1 HMIS Rating (0-4): Health=1 Fire=0 Reactivity=0 Special=0

Prepared by: SoilBiotics

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