

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: Wash out mouth thoroughly. 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.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: None known

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: None

Section 5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media: CO₂, Water, Foam

5.2 Special Firefighting Procedures: None

5.3 Fire and Explosion Hazards: If pH exceeds 5.0 there is a possibility of formation of explosive mixture
Of gases.

Section 6: Accidental Release Measures

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

6.2 Environmental Precautions: Avoid unnecessary release to the environment.

Prevent spillage from entering drains and/or surface water.

6.3 Methods and Material for Containment and Clean Up: Collect spills for possible reuse or transfer
To suitable waste containers. Spills produce slippery surfaces. Flush with water. Keep area
Well ventilated.

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 Tanks should be seasoned and well ventilated. Tank should be circulated periodically.

Tanks must be vented and purged with air before entry.

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

7.3 Storage: Recommended that product not be subject to freezing.

Section 8: Exposure Controls/Personal Protection

8.1 Exposure Controls:

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

Personal Protective Equipment:

Eye Protection: Wear safety goggles.

Hand Protection: Wear rubber gloves.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: Use self-contained respirator equipment in enclosed areas.

Other Protective Equipment: Gas Monitoring Equipment

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Parameter	Value/Unit	Remark
Physical State: Liquid pH	(1:1 w/ Water): 3.0-4.5	
Appearance	Viscous Brown Liquid	
Odor	Fishy	
Melting Point		Not Applicable
Boiling Point	220F	
Freezing Point	-2C/28F	
Flash Point (Method)		Not Applicable
Flammable Limits (LEL / UEL)		Not Applicable
Smoke Point		Not Applicable
Fire Point		Not Applicable
Evaporation Rate	(Butyl Acetate=1)0.8	
Vapour Pressure	mmHg	Unknown
Vapour Density	(Air=1)	Unknown
Specific Gravity	(H ₂ O=1): 1.17	
Auto-Ignition Temperature	If pH Exceeds 5.0	Possibility of explosive gases
Decomposition Temperature		Unknown
Solubility in Water	100% Soluble	

Section 10: Stability and Reactivity

10.1 Reactivity:

10.2 Chemical Stability: Stable

10.3 Possibility of Hazardous Reactions:

10.4 Conditions to Avoid: pH Above 5.0

10.5 Incompatible Materials: Alkali, Mild Steele

10.6 Hazardous Decomposition or By Products: Ammonia, Hydrogen Gas, Methane, Hydrogen sulfide

10.7 Hazardous Polymerization: Will Not Occur

Section 11: Toxicological Information

11.1 Information on Toxicological Effects:

Health Hazards (Acute and Chronic): May act as a slight irritant to the skin or lungs or a mild allergen.
Prolonged skin contact could result in dermatitis in sensitive Individuals.

Routes of Entry: Skin & Ingestion

Skin Corrosion/Irritation: May cause slight irritation

Serious Eye Damage/Eye Irritation: Damage and irritation could occur

Ingestion: Corrosive to the mouth, esophagus and mucous membranes

Inhalation: Mist or vapors can cause irritation of respiratory system

Section 12: Ecological Information

No information at this time

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:

14.2 UN Proper Shipping Name: Class 50

14.3 Transport Hazard Class(es):

14.4 Packaging Group:

14.5 Environmental Hazards:

14.6 Special Precautions for User:

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

Other Information: Harmonized Tariff Code for US: 3804.00.1000-0

Section 15: Regulatory Information

No information at this time

Section 16: Other Information

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

Prepared by: SoilBiotics

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