MULSIFAN 1000 MS

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1 - Product and Company Identification

Product name: Mulsifan 1000 MS

Product type/usage/industry: Polyethylene Glycol 1000 Monostearate

Manufacturer/Supplier Information: Zschimmer and Schwarz, Inc.

70 GA Hwy. 22 W Milledgeville, GA 31061 Phone: (478) 454-1942

Emergency contact: Company: (478) 454-1942

CHEMTREC (24HR): (800) 424-9300

2 - Hazards Identification

<u>Classification of the substance or mixture:</u>

Classification of this substance/mixture is based on

29 CFR 1910.1200/HazCom 2012 (GHS-US)

Not classified

Labelling:

Signal Word: Hazard Symbols:

None None

Precautionary Statements: None

Key to Hazard Categories:

1=Severe Hazard 2=Serious Hazard 3=Moderate Hazard 4=Slight Hazard 5=Minimal Hazard

3 - Composition/Information on Ingredients

CAS Number Material or component Avg % weight

9004-99-3 $Poly(oxy-1,2-ethanediyl),-\alpha-(1-oxooctadecyl)-\omega-hydroxy$ ~100%

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200/ HazCom 2012). See Section 8 for Exposure Limits, if any.

4 - First Aid Measures

Eyes: Immediately flush with gentle but large stream of water for 15 min, lifting upper and lower eyelids occasionally. Get medical

attention if symptoms persist.

Skin: Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should

be removed immediately and washed before reuse. Contaminated shoes should be discarded.

Inhalation: Move the person to fresh air. If breathing becomes difficult, contact a physician.

Ingestion: Do not induce vomiting. If large amounts were swallowed, give water to rinse mouth, give water to drink, and get medical

attention if you feel unwell.

5 - Firefighting Measures

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Unsuitable Extinguishing Media: None.

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and protective clothing when fighting any chemical fire.

Unusual Fire & Explosion Hazards: In case of fire, containers may explode from internal pressure. Cool with water. May emit

toxic fumes of CO and CO2 under fire conditions.

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6 - Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from

and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas.

Environmental precautions: P273: Avoid release to the environment

Limit leakage with earth or sand. Do not discharge into the drains/surface water/groundwater.

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

Methods for Containment/Cleaning Up: Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of

absorbed material in accordance with local, state, and federal regulations.

7 - Handling and Storage

Handling: P261: Avoid breathing mists of product

P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P280: Wear protective gloves/eye protection

Storage: P402+404: Store in a dry place. Store in a closed container

P403+233: Store in a well-ventilated place. Keep container tightly closed

Protect from moisture.

Special Packaging Requirements: None known.

Incompatible Materials or Fire/Explosion

Protection:

Strong oxidizers, strong acids, and strong bases at high temperatures.

8 - Exposure Controls/Personal Protection

Personal Protective Equipment (PPE):

Hand Protection: Use impervious gloves.

Eye Protection: Wear safety glasses with side shields.

Skin Protection: Wear protective clothing.

Respiratory Protection: Recommended if ventilation is limited.

Engineering Measures/Controls:

Ventilation: Ensure adequate ventilation to maintain product at acceptable airborne levels.

Other measures: Eye-wash station.

Exposure Limits/Guidelines:

Material CAS # BASIS TYPE VALUE

None

pH:

UEL:

9 - Physical and Chemical Properties

Form and Appearance: White solid/Clear, colorless to pale vallous liquid at malt.

Odor:

~ 6.0 @ 5%

N/A

yellow liquid at melt

Odor Threshold:

Boiling Point: N/D

Melting/Freezing point:

N/D N/D

Fatty

oning Form.

< 0.01 mmHg @ 20°C

Vapor Density (Air=1):

N/D

Dispersible

Vapor Pressure: < 0.0 Flash Point: > 21

> 212°F (100°C) Evaporation Rate:

N/D N/A

Viscosity: N/D

Solubility in Water:

LEL:

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Octanol/Water Partition

Coefficient:

N/D

Specific Gravity/ Bulk Density:

~ 1.05 @ 25°C

Auto-ignition temperature: N/A
Volatile content: < 1.0%

Decomposition Temperature:

N/D N/D

VOC Data:

10 - Stability and Reactivity

Chemical Stability: Product is stable under ordinary conditions of use and storage.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Exposure to moist air or water.

Incompatible Materials: Strong oxidizers, strong acids, and strong bases at high temperatures.

Hazardous Decomposition Products: Extremely high temperatures may produce CO_x; thermal decomposition may produce

irritating aldehydes.

11 - Toxicological Information

Acute Data:

Principle Routes of Exposure: Eye contact, skin contact, ingestion, inhalation (mist).

Acute Toxicity

Route of exposure: Test type: Species: Results: Comments:

Oral LD50 Rat >5000 mg/kg

Irritation and Corrosion

Target organ: Species: Results: Comments:

Eyes Rabbit Non-irritating Skin Rabbit Non-irritating -

Sensitization

Target organ: Species: Results: Comments:

Skin Human No effects known -

Specific Target Organ Toxicity - Single Exposure

Target organ: Species: Results: Comments:

None -

Chronic Data:

Carcinogenicity

IARC NTP ACGIH OSHA

No No No No

Mutagenicity: NDA

Reproductive Effects: NDA

Target Organ Effects: NDA

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12 - Ecological Information

Acute Aquatic Toxicity

Species: Test type: Exposure time: Results: Comments:

NDA Not toxicity expected

Environmental Fate

Persistence/Degradability: Product is moderately biodegradable.

COD/BOD5: NDA

Bioaccumulation Potential: No bioaccumulation is expected.

Mobility in Soil: NDA
Other Adverse Effects: NDA

13 - Disposal Considerations

Product: Dispose of absorbed material/content and/or container in accordance with local, state, federal

and/or international regulations.

Packaging: NDA

14 - Transport Regulations

US DOT Regulations (Land Transport):

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Label Required:

Other Information:

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

IATA/ICAO Regulations (Air Transport):

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Label Required:

Other Information:

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

IMDG/IMO Regulations (Maritime Transport):

Proper Shipping Name:

Hazard Class:

UN Number:

Not regulated.

Vot regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Label Required:

Not regulated.

EMS Number:

Not regulated.

Not regulated.

Not regulated.

Not regulated.

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Marine Pollutant (Y/N): Not regulated.

Other Information: Not regulated.

15 - Regulatory Information

Domestic Regulations

Components requiring notification

 SARA 302 (TPQ)
 SARA 304 (RQ)
 SARA 313
 CERCLA (RQ)
 CAA 112(b) HAPS
 CAA 112(r)

 None
 None
 None
 None
 None
 None
 None

SARA 311/312 Hazard Categorization: None

State Information

California Proposition 65: May contain traces (< 100 ppm) of the following components known to the State of California

to cause cancer, birth defects, or other reproductive harm.

Ethylene Oxide (75-21-8) 1,4-Dioxane (123-91-1)

State Right to Know/ The following chemicals are present on one or more Right to Know/Hazardous Substance

Hazardous Substance List Information: Lists for the states of MA, MN, NJ, PA and RI.

Ethylene Oxide (75-21-8) 1,4-Dioxane (123-91-1) Polyethylene glycols (25322-68-3)

This is not an exhaustive list. For information on listings in other states, please consult that

state's RTK/HSL.

Chemical Inventories

United States (TSCA)	EUROPE (EINECS/ ELINCS/ NLP)	Australia (AICS)	Philippines (PICCS)	Canada		Korea (ECL)	Japan (ENCS/	China (IECSC)	New Zealand (NZIoC)
				DSL	NDSL		ISHL)		
Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

16 - Additional Information

Key to Abbreviations:

NDA - No data available N/D - Not determined N/A - Not applicable N/E - Not established

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