

Material Safety Data Sheet

Section 1 - Chemical Product

MSDS Name: DEFOAMER

Synonym: Polydimethylsiloxan emulsion, defoamer agent, Food defoamer

Emergency: ENERGYCO LTD.

Telephone: +86-25-83719363

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
63148-62-9	POLY(DIMETHYLSILOXANE	%	
31566-31-1	Mono-and diglycerides of fatty acids	%	500-019-9
9005-67-8	Polyoxyethylene (20) sorbitan monostearate	%	
7732-18-5	Deionized water	%	231-791-2

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye: N/A

Causes eye irritation.

Skin: N/A

May cause skin irritation.

Ingestion: N/A

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: N/A

May cause respiratory tract irritation.

Chronic: N/A

No information found.

Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and

shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - HANDLING and STORAGE

Handling:

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation.

Storage:

Keep away from sources of ignition. Store in a cool, dry place.

Store in a tightly closed container.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: milk white liquid

Odor: weak odor

pH: 5-8

Vapor Pressure:

Viscosity: mPas 25 deg C

Boiling Point:

Freezing/Melting Point:

Autoignition Temperature:

Flash Point:

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: practically insoluble in water

Specific Gravity/Density:

Molecular Formula:

Molecular Weight:

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, ignition sources.

Incompatibilities with Other Materials:

Strong oxidizers.

Hazardous Decomposition Products:

Silicon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 63148-62-9: JT6484500 JT6485000 VU6200000 VW1511000 VX6390000 LD50/LC50:

CAS# 63148-62-9: Draize test, rabbit, eye: 100 uL/24H Mild; Draize test, rabbit, eye: 100 mg/1H Mild; Draize test, rabbit, eye: 100 uL/24H Moderate; Draize test, rabbit, skin: 500 uL/24H Mild; Oral, rat: LD50 = >24 gm/kg; Oral, rat: LD50 = >17 gm/kg; Skin, rabbit: LD50 = >2 gm/kg.

Carcinogenicity:

POLY(DIMETHYLSILOXANE) - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Not available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

No information available.

IMO

No information available.

RID/ADR

No information available.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 63148-62-9: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 63148-62-9 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 63148-62-9 is not listed on the TSCA inventory.

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