

SAFETY DATA SHEET

Poly Suga®Mulse D9

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Poly Suga®Mulse D9

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification

This product is not considered hazardous by either the US OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Workplace Hazardous Material Information System (WHMIS)

Emergency Overview

Appearance clear Liquid

Physical state Liquid

Odor Characteristic

Label elements

Hazard statements

This product is not considered hazardous by either the US OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Workplace Hazardous Material Information System (WHMIS)

Other information

Harmful to aquatic life.

Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Rinse mouth thoroughly with water. If symptoms persist, call a physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products

Carbon oxides.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protection equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

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

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing..

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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
Appearance	clear Liquid
Color	amber
Odor	Characteristic

Property	Values	Remarks • Method
pH	6.0 - 8.0	solution (10%)
Melting point / freezing point	-	Not determined
Initial boiling point and boiling range	> 93.28 °C / 199.9 °F	-
Flash point	> 93.28 °C / 199.9 °F	Pensky-Martens Closed Cup (PMCC)
Flammability	-	Not flammable
Flammability Limit in Air	-	Not applicable Not flammable
Upper flammability or explosive limits	Not flammable	-
Lower flammability or explosive limits	Not flammable	-
Vapor pressure	2.33 kPa @ 20 °C (based on components)	-
Relative vapor density	0.621	(based on components)
Relative density	1.178	@ 25 °C
Water solubility	Soluble in water	-
Solubility(ies)	Soluble in water	-
Partition coefficient	-0.0555	log Kow Calculation method
Autoignition temperature	-	Not applicable (based on components)
Decomposition temperature	-	Not applicable See also section - Boiling point / boiling range
Kinematic viscosity	-	Not applicable (based on components)
Dynamic viscosity	-	Not determined
Particle characteristics	-	Not applicable - Liquid
Particle Size	-	-
Particle Size Distribution	-	-

Other information

Explosive properties

No information available

Oxidizing properties	No information available
Softening point	No information available
Molecular weight	(Mn) 9,540 Da
VOC content	No information available
Liquid Density	1.178
Bulk density - Surface tension	31.3 dynes (0.5% solution)

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation

Specific test data for the substance or mixture is not available.

Eye contact

Specific test data for the substance or mixture is not available.

Skin contact

Specific test data for the substance or mixture is not available.

Ingestion

Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms None known.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 50,213.80 mg/kg

ATEmix (dermal) 141,447.40 mg/kg

ATEmix (inhalation-gas) 99,999.00 ppm

ATEmix (inhalation-dust/mist) 99,999.00 mg/l

ATEmix (inhalation-vapor) 99,999.00 mg/l

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

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	S. typhimurium, other	Not mutagenic

Carcinogenicity

No information available.

Reproductive toxicity

No information available

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not considered to be harmful to aquatic life.

Persistence and degradability

Readily biodegradable.

Bioaccumulation

Not likely to bioaccumulate.

Bioconcentration factor (BCF)

There is no data for this product

Mobility in soil

There is no data for this product.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer

Not applicable



The Stockholm Convention on Persistent Organic Pollutants

Not applicable

The Rotterdam Convention

Not applicable

All of the components in the product are on the following Inventory lists

TSCA Listed.

TSCA Section 5 and 12(b) No TSCA 12(b) or SNUR Chemicals present

DSL/NDSL Listed on NDSL.

International Inventories Contact supplier for inventory compliance status

Legend:

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

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.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	X
1-Octanol 111-87-5	-	-	X
Decan-1-ol 112-30-1	-	-	X

U.S. EPA Label Information

EPA Statement Not applicable.

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value Sk* Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)

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New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety
Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals
Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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