



PRODUCT DATA SHEET (MSDS/SDS)

CRUDE GLYCERIN

MATERIAL IDENTIFICATION AND GENERAL INFORMATION

Product Name: Crude Glycerin

Synonyms: Crude Glycerin mixed feedstock

Product Use: Dust suppression, general industrial and specialty uses

DETAILS OF SUPPLIER OF SDS

Lyman Dust Control Services of Montana, LLC

704C East 13th ST #351

Whitefish, MT 59937

Phone: 1-800-671-9481

www.lymandustcontrolmt.com

HAZARDOUS IDENTIFICATION

CLASSIFICATION: Not classified as hazardous.

LABELS: Not classified as hazardous.

SIGNAL WORD/HAZARD STATEMENTS: Not regulated.

PRECAUTIONARY STATEMENTS: None.

OTHER HAZARDS: This substance is NOT classified as hazardous

FIRST AID MEASURES

Routes of exposure

Eyes	Rinse cautiously with water. Remove contact lenses, if present. Continue rinsing. If symptoms persist, consult a doctor.
Skin	Wash with plenty of water/soap and rinse thoroughly. Remove contaminated clothing. Seek medical care if irritation develops or persists. Wash clothing.
Inhalation	Remove from exposure to fresh air. Consult doctor if needed.
Ingestion	Rinse mouth and drink plenty of water and do not induce vomiting. Get medical advice if you feel unwell or concerned.

PHYSICAL DATA/INFORMATION ON INGREDIENTS

NAME	CAS NUMBER	CONCENTRATION
GLYCERIN	56-81-5	75-90
WATER	7732-18-5	6-14
SODIUM CHLORIDE	7647-14-5	4-9.9
SOYA FATTY ACIDS	68308-53-2	<=1
METHYL ALCOHOL	67-56-1	<=.1

FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable Extinguishing Media: Do not use water stream, as this may spread fire.

Special Hazards Arising From the Substance or Mixture: Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray.

Fire Fighting Measures: Exercise caution when fighting any chemical fire. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. May release formaldehyde upon decomposition. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde may cause respiratory and eye irritation.

Unusual Fire and Explosion Hazards: This product is not considered flammable but may burn at high temperatures. Product is not explosive and hazardous reactions will not occur under normal conditions.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear recommended personal protective equipment. Ensure adequate ventilation.
Ensure air handling systems are operational.

ENVIRONMENTAL PRECAUTIONS: Should not be released into the environment. Prevent from reaching drains, sewer or waterway. Notify authorities if liquid enters sewers or public waters.

CONTAINMENT AND CLEAN UP: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal.

ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear recommended personal protective equipment. Ensure adequate ventilation. Ensure air handling systems are operations.
Environmental Precautions:	Should not be released into the environment. Prevent from reaching drains, sewer, or waterway. Notify authorities if liquid enters sewers or public waters.
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HANDLING AND STORAGE

Precautions for Safe Handling:	Use appropriate personal protective equipment. Wash thoroughly after handling. Use only with adequate ventilation and avoid breathing mist or vapor. Do not eat, drink, smoke, or use personal products when handling chemical substances. Prevent formation of aerosols and avoid splashes or spray in enclosed areas.
Conditions for Safe Storage & Incompatibilities.	Store in a cool, well-ventilated area. Keep container tightly sealed. Avoid storage near extreme heat, direct sunlight, ignition sources or open flame. Protect from humidity and water. Do not store together with oxidizing and acidic materials, alkalis. (caustic solutions.)

EXPOSURE CONTROL/ PERSONAL PROTECTION

COUNTRY (LEGAL BASIS)	NAME	CAS NUMBER	PERMISSIBLE CONCENTRATION
UNITED STATES (OSHA)	GLYCEROL	56-81-5	OSHA PEL TWA 5MG/MG3 (RESPIRABLE FRACTION) 15 MG/M3 (TOTAL)
UNITED STATES (ACGIH)	METHYL ALCOHOL	67-56-1	ACGIH TWA 200 PPM ACGIH CHEMICAL CATEGORY-SKIN POTENTIAL SIGNIFICANT CONTRIBUTION TO OVERAL EXPOSURE BY THE CUTANEOUS ROUTE.
UNITED STATES NIOSH	METHYL ALCOHOL	67-56-1	NIOSH REL (TWA) 260 MG/M3 NIOSH REL (TWA) 200 PPM NIOSH REL (STEL) 325 MG/M3 NIOSH REL (STEL) 250 PPM
UNITED STATES IDLH	METHYL ALCOHOL	67-56-1	US IDLH 6000 PPM
UNITED STATES (OSHA)	METHYL ALCOHOL	67-56-1	OSHA PEL (TWA) 260 MG/M3

EXPOSURE CONTROLS

- Appropriate engineering controls: Provide exhaust ventilation especially in confined areas or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use of handling.
- Eye and face protection: Safety goggles or glasses, or appropriate eye protection.
- Skin and boy protection: Select chemically resistant, impermeable protective gloves and chemically resistant clothing.
- General hygienic measures: Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Wash contaminated clothing before reusing. Handle in accordance with good industrial hygiene and safety practices.
- Environmental exposure controls: Select controls based on a risk assessment of local conditions.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & COLOR	LIQUID, COLORLESS TO DARK BROWN	EXPLOSION LIMIT LOWER	NOT DETERMIEND OR AVAILABLE
ODOR	MUSTY	VAPOR PRESSURE	NOT DETERMIEND OR AVAILABLE
ODOR THRESHOLD	NO DATA AVAILABLE	VAPOR DENSITY	NOT DETERMIEND OR AVAILABLE
PH-VALUE	NOT DETERMINED	RELATIVE DENSITY	NOT DETERMIEND OR AVAILABLE
MELTING/FREEZING POINT	18C / 64F	SOLUBILITIES	FULLY MISCIBLE
BOILING POINT/RANGE	130C/266F	PARTITION COEFFICIENT (NOCTANOL/ WATER)	NOT DETERMIEND OR AVAILABLE
FLASH POINT	>120C / >248F	AUTO/ SELF-IGNITION TEMPERATURE	NOT DETERMIEND OR AVAILABLE
EVAPORATION RATE	NOT DETERMIEND OR AVAILABLE	DECOMPOSITION TEMP.	NOT DETERMIEND OR AVAILABLE
FLAMMABILITY (SOLID, GASEOUS)	NOT DETERMIEND OR AVAILABLE	DYNAMIC VISCOSITY	NOT DETERMIEND OR AVAILABLE
DENSITY	1.22-1.24 G/CM3 (10.181-10.348 LBS/GAL)	KINEMATIC VISCOSITY	NOT DETERMIEND OR AVAILABLE

STABILITY AND REACTIVITY

reactivity: Does not react under normal conditions of use and storage.

Chemical Stability: Stable under normal conditons of use and storage.

Possibility of hazardous reactions: Violent reactions wth strong alkalis and oxidizing agents. React with strong acids. Toxic fumes may be released if heated above decomposition point.

Conditions to Avoid: Moisture

Incompatible materials: Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

TOXICOLOGICAL INFORMATION

Acute toxicity: Dermal, Sensitization, Eyes: Based on available data, classification criteria are not met.
Carcinogenicity: Based on available data, classification criteria are not met.

ECOLOGICAL INFORMATION

Ecotoxicity: Based on available data, classification criteria are not met.
Persistence and degradability: No Data Available
Bio accumulative potential: No Data Available
Mobility in soil: No Data Available
Results of PBT and vPvB assessment: No Data Available
Other adverse effects: No Data Available

DISPOSAL CONSIDERATIONS

Waste treatment methods: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

TRANSPORTATION INFORMATION

Not Regulated / None

REGULATORY INFORMATION

Inventory listing (TSCA) Glycerol (56-81-5) is listed on TSCA.
SARA (Superfund Amendments and Reauthorization Act):
Section 302 Extremely Hazardous: Not Determined
Substances:
SARA Section 311/312 Hazard Categories:
Section 313 Toxic Chemicals Not Listed
CERCLA: Not Determined
RCRA: Not Determined
Section 112 of the Clean Air Act (CAA): Not Determined
Massachusetts Right to Know: Glycerol (56-81-5) is listed.
New Jersey Right to know: Glycerol (56-81-5) is listed

OTHER INFORMATION

Disclaimer: This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of the company's knowledge and believed to be accurate and reliable. The information provided is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material designated unless specified in the test. The responsibility to provide a safe workplace remains with the user. It is the particular use. No presentation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use.