



Material Safety Data Sheet

PRODUCT NAME: GLYCERINE 99.5% TECH GRADE

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: GLYCERINE 99.5% TECH GRADE
CAS#: 56-81-5
DATE: August 28, 2010

DISTRIBUTOR: Dreamteam LLC.
ADDRESS: 6 Aleksandr Nevskij str.,
Irkutsk, Irkutsk region 664047 RUSSIA

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EMERGENCY: CHEMTREC (800) 424-9300

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NOT APPLICABLE

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 554°F, 290°C
SPECIFIC GRAVITY (H₂O=1): 1.2067@ 25/25°C
VAPOR PRESSURE (mm Hg): 1.0 @ 20°C
MELTING POINT: Not applicable
EVAPORATION RATE: Not applicable
DENSITY (@20°C): 1.26 g/cm³
SOLUBILITY IN WATER: Miscible
pH: Neutral
CLOUD POINT: No data
VISCOSITY: 1300 mPa's
FREEZING POINT: 64.4°F, 18°C
APPEARANCE & ODOR: Transparent, Characteristic Odor, Liquid

FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 390°F, 199°C
EXTINGUISHING MEDIA: Water fog, alcohol, foam, carbon dioxide, dry chemical, halogenated agents
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece and protective clothing.
AUTOIGNITION TEMP: 698°F, 370 °C
UNUSUAL FIRE AND EXPLOSION HAZARDS: Nothing specified

REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Avoid strong oxidizing agents
INCOMPATIBILITY (materials to avoid): Oxidizing material
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: N/A

HEALTH HAZARD DATA

ROUTES OF ENTRY:

Inhalation: Remove to fresh air
Skin: N/A
Ingestion: Induce vomiting

HEALTH HAZARDS (acute & chronic):

May cause eye irritation, flush with water for 5 minutes

SIGNS & SYMPTOMS OF EXPOSURE

Heated vapors may cause severe irritation, administer oxygen with overexposure

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

See above

EMERGENCY & FIRST AID PROCEDURES

If exposed to heated vapors, remove to fresh air/administer oxygen and call physician

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small spills - cover with absorbent material, soak up & sweep into drum
Large spills - dike around spills & pump into suitable container

WASTE DISPOSAL METHOD:

Reprocess or incinerate in accordance with local, state & federal regulations

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Practical reasonable care and caution

OTHER PRECAUTIONS

None specified

STORAGE REQUIREMENTS:

50-90°F in original closed container

CONTROL MEASURES

VENTILATION:	Local Exhaust:	none specified
	Mechanical (general):	none specified
	Special:	none specified
	Other:	Recommended control of mist
PROTECTIVE GLOVES:	Not required	

CONTROL MEASURES, cont.

EYE PROTECTION: Not required WORK/HYGIENIC
PRACTICES: Normal hygienic practices.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable

TOXICOLOGICAL INFORMATION

The toxicity data listed below are based on the results of screening tests on this specific product

EYE CONTACT:	This material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact
SKIN CONTACT:	This material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin
ACUTE ORAL TOXICITY:	This material is classified as "slightly toxic" by ingestion
CARCINOGENICITY:	This material is not listed as a carcinogen by OSHA, IARC, and NTP
REPRODUCTIVE TOXICITY/TERATOGENICITY:	No available information
MUTAGENICITY:	No available information
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	None known

ECOLOGICAL INFORMATION

DEGRADABILITY:	Completely biodegradable BOD5 / COD: 0.87 / 1.16 (gO ₂ /g)
LC50, FISH:	>5000 mg/l
IC50, ALGAE:	>2900 mg/l
EC50, BACTERIA:	>10000 mg/l

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:	Discarded product is not a hazardous waste under RCRA, 40 CFR 261
CONTAINER DISPOSAL:	Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

TRANSPORT INFORMATION

NOT CLASSIFIED IN RID/ADR/DOT – ADNR – IMDG – ICAO/IATA-DGR

REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All ingredients are on the TSCA Chemical Substance Inventory

DSL (Canadian Domestic Substances List):
All ingredients are listed on the Canadian DSL

REGULATORY INFORMATION, cont.

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Hazards:	None
Health Hazards:	None

WHMIS Classification:

Non-controlled (Non-hazardous)

CEROLA and SARA Regulations (40 CFR 355, 370, and 372):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

NO SARA 313 CHEMICALS FOR THIS CHEMICAL

SARA 311/312 Hazard Categories:

Immediate:	YES
Delayed:	NO
Fire:	YES
Pressure:	NO
Reactivity:	NO

State Regulations: None

OTHER INFORMATION

We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment is provided with information contained in the product MSDS.

HMIS Information: Health: 1 Flammability: 1 Reactivity: 0

NFPA Information: Health: 1 Flammability: 1 Reactivity: 0

The data herein are based on our current knowledge and believed to be reliable. Dreamteam LLC., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.