



ACME  
HARDESTY  
OLEOCHEMICALS

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# Material Safety Data Sheet

PRODUCT NAME: GLYCERINE 99.5% TECH GRADE

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## IDENTIFICATION AND DISTRIBUTOR INFORMATION

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TRADE NAME: GLYCERINE 99.5% TECH GRADE  
CAS#: 56-81-5  
DATE: May 28, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834  
FAX: (215) 591 – 3620  
EMERGENCY: CHEMTREC (800) 424-9300

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## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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NOT APPLICABLE

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## PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: 554°F, 290°C  
SPECIFIC GRAVITY (H<sub>2</sub>O=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/cm<sup>3</sup>  
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

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## FIRE & EXPLOSION HAZARD DATA

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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

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REACTIVITY DATA

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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

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HEALTH HAZARD DATA

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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

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PRECAUTIONS FOR SAFE HANDLING AND USE

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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

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CONTROL MEASURES

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VENTILATION: Local Exhaust: none specified  
Mechanical (general): none specified  
Special: none specified  
Other: Recommended control of mist

PROTECTIVE GLOVES: Not required

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CONTROL MEASURES, cont.

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable

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TOXICOLOGICAL INFORMATION

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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

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ECOLOGICAL INFORMATION

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DEGRADABILITY: Completely biodegradable BOD5 / COD: 0.87 / 1.16 (gO2/g)  
LC50, FISH: >5000 mg/l  
IC50, ALGAE: >2900 mg/l  
EC50, BACTERIA: >10000 mg/l

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DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD: Discarded product is not a hazardous waster 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.

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TRANSPORT INFORMATION

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

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REGULATORY INFORMATION

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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

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REGULATORY INFORMATION, cont.

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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

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OTHER INFORMATION

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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. Acme-Hardesty Co., 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.