

Material Safety Data Sheet

Provided by:

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name GLYCERINE 99.5%
Synonyms GLYCEROL, GLYCERINE
Chemical Name GLYCERINE

Emergency phone: 281-457-4888
Chemtrec: 800-424-9300

Date of Issue: 10/1/00
Revised Date: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENTS | PERCENT | CAS NO. |
|------------|---------|---------|
| GLYCERIN | >95% | 56-81-5 |

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 10 mg/cu. M
Eye Contact MAY CAUSE SLIGHT IRRITATION.
Skin Contact MAY CAUSE SKIN IRRITATION.
Ingestion MAY CAUSE DIGESTIVE TRACT IRRITATION.
Inhalation DUST MAY BE IRRITATING TO RESPIRATORY TRACT.
Carcinogenicity: *NTP* NO *IARC* NO *OSHA* NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.
Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point 390
Extinguishing Media ALCOHOL FOAM, WATER FOG, CO*2, DRY CHEMICAL.

For Spill:

SMALL SPILL: ABSORB ON PAPER, VERMICULITE, FLOOR ABSORBENT, TRANSFER TO HOOD. LARGE SPILL: STOP SPILL, DIKE AREA OF SPILL, PUMP TO SALVAGE TANK. ABSORB REMAINDER ON SAND,

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Respiratory Protection | USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED. |
| Ventilation | LOCAL AND MECHANICAL RECOMMENDED. |
| Protective Gloves | CHEMICAL IMPERVIOUS GLOVES. |
| Eye/Face Protection | CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD. |
| Other Protection | CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC. |
| Work Practices | USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER. |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| Boiling Point (°F): 340 | Vapor Pressure (mmHg): < 0.001 (@25 C) |
| Freezing Point (°F): N/D | Vapor Density (Air=1): 3.1 |
| Solubility (H2O): COMPLETE | Specific Gravity (H2O=1): 1.26 |
| pH NOT ESTABLISHED | Evaporation Rate: SLOWER THAN ETHER |
| Appearance/Odor: CLEAR, COLORLESS, ODORLESS LIQUID, SWEET TASTE. | |

SECTION 10 - STABILITY AND REACTIVITY

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| Chemical Stability: | YES |
| Incompatible Materials | STRONG ACIDS AND OXIDIZERS. |
| Decomposition Products | CARBON DIOXIDE, CARBON MONOXIDE, ACROLEIN, VARIOUS HYDROCARBONS. |
| Hazardous Polymerization: | WILL NOT OCCUR. |

