

MSDS

Material Safety Data Sheet



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Glycerin

SECTION 1 PRODUCT IDENTIFICATION

NAME: Glycerin
EKI ORDER NUMBERS: 4500, 4510
SYNONYMS: Glycerol
CAS NO: 56-81-5
FORMULA: $C_3H_5(OH)_3$
REVISION DATE: 10 March 2004

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

CAUTION. MAY CAUSE IRRITATION. MAY BE HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO -----	OSHA PEL -----	ACGIH TLV -----
Glycerin/56-81-5	N/E	N/E

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): 290
VAPOR PRESSURE (mm Hg): <0.1	VAPOR DENSITY: 3.1
SPECIFIC GRAVITY: 1.26	MELTING POINT (C): 18
EVAPORATION RATE: N/I	
APPEARANCE AND ODOR: Clear, viscous liquid. Odorless.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 198
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%): UEL: N/E LEL: 0.9
EXTINGUISHING MEDIA: Suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/I

MATERIALS TO AVOID: Strong oxidizers, strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, acrolein

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

INHALATION: May cause respiratory tract irritation.

SKIN CONTACT: May cause slight irritation.

EYE CONTACT: May cause irritation.

SKIN ABSORPTION: N/I

INGESTION: Large quantities may cause G.I. irritation.

CHRONIC: N/I

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get medical attention for persistent irritation.

SKIN CONTACT: Immediately wash with plenty of soap and water.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: If conscious, give large quantities of water to drink. Get immediate medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Absorb with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION 8 CONTROL MEASURES

VENTILATION: General

RESPIRATORY PROTECTION: Dust/mist respirator, if required.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

SECTION 9 STORAGE

Store tightly closed at 15-30C.

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