Glyceryl monothioglycolate (cas 30618-84-9) MSDS

SECTION V HEALTH HAZARD DATA

MATERIAL SAFETY DATA SHEET GG 145

Threshold Limited Value
ALDON Toxicity data: oral-rat LD50: >50 mg/kg.
1533 W.Henrietta Rd.
Dermal-rabbit LD50: >200 mg/kg.
GG 145
Avon, New York 14414 MSDS No.
?
CORPORATION October 2, 1995
Effective date
(716) 226-6177

Effects of Overexposure

EYES: Causes mild irritation. SKIN: Causes irritation. Exercise

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE appropriate procedures to minimize potential hazards.

Product GLYCEROL MONOTHIOGLYCOLATE

CHEMTREC Health 2
800-424-9300

Chemical Emergency and
Glycerol Monothioglycolate

Synonyms SKIN: Flush thoroughly with water, then wash with mild soap and water.

Fire

Day 716-226-6177
First Aid Procedures EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and
HS-CH COOCH CHOHCH OH

Formula 1
Reactivity
2 2 2
NFP 0 lower eyelids occasionally. Get immediate medical attention. INHALATION:
HAZARD RATING H/M/S * Remove to fresh air. If not breathing, give artificial respiration. If breathing is
Unit Sae up to 4 L
LEAST SLIGHT MODERATE HIGH EXTREME difficult, give oxygen. Get medical attention. INGESTION: If swallowed, do
0 1 2 3 4
C.A.S. No. 30618-84-9 NOT induce vomiting. Get immediate medical attention. Never give
anything by mouth to an unconscious person.

SECTION II INGREDIENTS OF MIXTURES

SECTION VI REACTIVITY DATA

Principal Component(s) % TLV Units
Conditions to Avoid
Stability Unstable Open flame, sparks and oxidizing materials.
Glycerol Monothioglycolate: (CAS No. 30618-84-9) 40-80% None established.
Stable X
Thioglycolic Acid: (CAS No. 68-11-1) 1-10% 1 ppm Incompatibility
Oxidizing materials.
(Materials to Avoid)
Hazardous
CAUTION! CAUSES IRRITATION TO SKIN AND EYES. Can release hydrogen sulfide and sulfur oxides under decomposition.

Decomposition Products

SECTION III PHYSICAL DATA

Conditions to Avoid
Hazardous Polymerization
Specific Gravity (H2O = 1)
Melting Point (??F) Not established. 1.302 - 1.310 @25??C
May Occur Will Not Occur Not applicable.
Percent Volatile
Boiling Point (??F) Not established. Not established.
by Volume (%)
Evaporation Rate

SECTION VII SPILL OR LEAK PROCEDURES
Vapor Pressure (mm Hg) Not established. Not established. =1)

Steps to be taken in case
Vapor Density (Air=1) Not established. Wearing protective equipment, dike spill to prevent run off into material is released or spilled sewers or water supplies. Soak up with non-combustible Solubility in Water Complete. absorbent material and place in suitable container for proper disposal. Wash spill area with soap and water.
Appearance & Odor Viscous liquid; sulfur-like odor.
Discharge, treatment, or disposal may be subject to Federal, State or Local laws.

Waste Disposal Method

SECTION IV FIRE AND EXPLOSION HAZARD DATA These disposal guidelines are intended for the disposal of catalog-size quantities only.

Lower Flammable Limits in Air Upper
Flash Point % by Volume

Extinguisher

SECTION VIII SPECIAL PROTECTION INFORMATION
Foam, carbon dioxide, dry chemical.
Media
None needed in normal laboratory handling. If misty conditions prevail, work in ventilation
Respiration Protection
hood or wear a NIOSH/MSHA-approved respirator.
(Specify Type)

SPECIAL FIREFIGHTING
Not required. No.
Local Exhaust Special PROCEDURES Ventilation Not required. No.
Mechanical (General) Other
In fire conditions, wear a NIOSH/MSHA-approved self-contained
Protective Gloves Eye Protection
Neoprene. Chemical safety goggles.
breathing apparatus and full protective clothing. Water fog may be used to combat large fires.
Other Protective
Lab coat, apron, eye wash station, proper gloves.

Equipment

SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken

UNUSUAL FIRE AND EXPLOSION Store in a cool, dry, well ventilated area away from oxidizers. in Handling & Storing
EXPLOSION HAZARDS Wash thoroughly after handling.
Keep container tightly closed when not in use.

Read label on container before using. Do not wear contact lenses when working with chemicals.
Other Precautions
Can release hydrogen sulfide and sulfur oxides under decomposition. Avoid contact with skin and eyes.
Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
Chemical Safety
Approved
Revision Date MNo. 1 10/2/95 Michael Raszeja Coordinator
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