



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION

**Common Name:** Crude Glycerol/Glycerin

Cas: 56-81-5

RTECS #: MA8050000

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## SECTION 2 – INGREDIENTS AND HAZARDOUS CLASSIFICATION

### Typical Composition:

OSHA PEL	ACGH/TLV	Percent
15 MG/M3 TDUST	10 MG/M3 (MIST) 9293	99

**This product contains no hazardous materials.**

**SARA Title III, Section 313: Not Listed**

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## SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

HCC: N1

B.P. Text: 554F, 290C

M.P/F.P Text: 64.4F, 18.0C

Vapor Pres: 0.0025 MM

Vapor Density: 3.17

Spec Gravity: 1.25

Solubility in Water: MISCIBLE IN WATER.

**Appearance and Odor:** light to dark yellow clear liquid / light musty odor

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## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point Method: CC

Flash Point Text: 320F, 160C

Autoignition Temp Text: 400 C

Lower Limits: 0.9

Extinguishing Media: USE ANY MEANS SUITABLE FOR EXTINGUISHING FIRE.  
WATER SPRAY MAY BE USED TO EXTINGUISH SURROUNDING FIRE & COOL CONTAINERS.

Fire Fighting Procedures: IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND.

Unusual Fire/Explosion Hazard: ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS NOTED ABOVE.

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## **SECTION 5 – REACTIVITY DATA**

Stability Indicator: YES

Stability Condition To Avoid: GLYCEROL DECOMPOSES UPON HEATING ABOVE 290C, FORMING CORROSIVE GAS (ACROLEIN).

Materials To Avoid: STRONG OXIDIZERS. CAN REACT VIOLENTLY WITH ACETIC ANHYDRIDE. CALCIUM OXYCHLORIDE, CHROMIUM OXIDES & ALKALI METAL HYDRIDE

Hazardous Decomposition Products: TOXIC GASES & VAPORS MAY BE RELEASED IF INVOLVED IN A FIRE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: THIS SUBSTANCE DOES NOT POLYMERIZE.

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## **SECTION 6 – HEALTH HAZARD DATA**

LD50 LC50 Mixture: ORAL LD50 (RAT) IS 12,600 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHALATION-DUE TO LOW VAPOR PRESSURE, INHALATION OF THE VAPORS AT ROOM TEMPERATURE IS UNLIKELY. INHALATION OF MIST MAY CAUSE IRRITATION OF RESPIRATORY TRACT. INGESTION-LOW TOXICITY. SKIN CONTACT-MAY CAUSE IRRITATION. EYE CONTACT-MAY CAUSE IRRITATION. CHRONIC: MAY CAUSE KIDNEY INJURY.

Explanation Of Carcinogenicity: NOT CARCINOGENIC.

Signs And Symptoms Of Overexposure: INGESTION-MAY CAUSE NAUSEA, HEADACHE, DIARRHEA.

Medical Cond Aggravated By Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER OR KIDNEY FUNCTIONS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

First Aid:

INHAL: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

INGESTION: GIVE WATER TO RINSE MOUTH & GET MEDICAL ATTENTION IMMEDIATELY.

SKIN: REMOVE ANY CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MIN. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

EYE: WASH THOROUGHLY WITH RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS.

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## **SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Spill Release Procedures: VENTILATE AREA OF LEAK OR SPILL. CLEAN-UP PERSONNEL MAY REQUIRE PROTECTIVE CLOTHING. ABSORB LIQUID SPILL WITH DRY ABSORBENT. CONTAIN-ERIZE UNSTABLE MATERIAL FOR DISPOSAL IN AN APPROVED WASTE FACILITY.

Waste Disposal Methods: ENSURE COMPLIANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage Precautions: KEEP IN TIGHTLY CLOSED CONTAINERS, STORED IN A COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. SEPERATE FROM INCOMPATIBLES.

Other Precautions: AS PART OF GOOD INDUSTRIAL AND PERSONAL HYGIENE & SAFETY PROCEDURES, AVOID ALL UNNECESARY EXPOSURES TO THE CHEMICAL SUB-STANCE AND ENSURE PROMPT REMOVAL FROM SKIN, EYE AND CLOTHING.

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## **SECTION 8 – CONTROL MEASURES**

Respiratory Protection: IF THE TLV IS EXCEEDED, A HALF MASK CHEMICAL CAR-TRIDGE RESPIRATOR MAY BE WORN UP TO TEN TIMES THE TLV OR THE MAXIMUM USE CONCENTRATION SPECIFIED BY THE RESPIRATOR SUPPLIER, WHICHEVER IS LESS.

Ventilation: A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS.

Protective Gloves: WEAR PROTECTIVE GLOVES.

Eye Protection: USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment: WEAR CLEAN BODY COVERING. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL.

Work Hygienic Practices: MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FA-CILITIES IN WORK AREA.

Supplemental Safety and Health: NONE

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## **SECTION 9 – TRANSPORTATION**

DOT Code: N/A

DOT Shipping Name: Crude Glycerin

Other Regulatory: Listed in TSCA inventory

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