# GLYCIDOL CAS # 556525 HAZARDOUS CHEMICAL OF CONCERN

A Special Carcinogen E Dermal Hazard I Neurotoxin

B Human Terato\Repro Haz F Corrosive J Suspect Carcinogen

C Highly Toxic G Eye Damage K Suspect Terato\Repro Haz

D Inhalation Hazard H STEL L Sensitizers

HAZARD INDEX A B . D E . G . I . . .

NFPA HAZARD CODES (H,F,R,O) 2 2 0

SPECIAL CARCINOGEN - DESIGNATED AREA MAY BE REQUIRED

CHRONIC TOXICITY RISK INDEX 4 - TD50 4.3 mg/Kg

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

REPRODUCTIVE RISK INDEX 4.3

ACUTE TOXICTY RISK INDEX 5 - LD50 420.0 mg/Kg

NEUROTOXIC - RISK INDEX 2.0

INHALATION HAZARD INHALATION RISK INDEX 2.0 - LC50 421.8

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

skin Absorption: Harmful if absorbed through skin. Readily

absorbed through skin.

Eye Contact: Causes severe eye irritation.

Inhalation: Toxic if inhaled. Material is irritating to mucous

membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Nerves.

SIGNS AND SYMPTOMS OF EXPOSURE

Can cause CNS depression. To the best of our knowledge, the

chemical, physical, and toxicological properties have not been

thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Ccombustible

VAPOR PRESSURE .661 mm Hg @ 20 °C

FLASH POINT 150.8 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong acids, Strong bases, Heavy metals.

FIRE EXTINGUISHER: Water spray. Carbon dioxide, dry chemical powder, or

appropriate foam.

Store at 2-8°C

Moisture sensitive.

Keep tightly closed. Keep away from heat and open flame.

REACTIVE PROPERTIES

HANDLING: Do not breathe vapor. Do not get in eyes, on skin, on clothing.

Avoid prolonged or repeated exposure. STORAGE: Keep tightly closed. Keep away

from heat and open flame\. Store at 2-8░C SPECIAL REQUIREMENTS Moisture

sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 45 60 21/22 23 36/37/38 68

Risk Statements: May cause cancer. May impair fertility. Also

harmful in contact with skin and if swallowed. Also toxic by

inhalation. Irritating to eyes, respiratory system and skin.

Also possible risks of irreversible effects.

S: 53 45

Safety Statements: Restricted to professional users. Attention -

Avoid exposure - obtain special instructions before use. In case

of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

OSHA REGULATORY LIMITS

OSHA Permissible Exposure Limit 25 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 2 ppm

Immediately Dangerous to Life and Health 150 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 2 ppm

DOE Short Term Exposure Limit 4 ppm

DOE Ceiling Limit 30 ppm

Immediately Dangerous to Life and Health 150 ppm

The information presented in the OPMSDS is intended as a synopsis of relative hazard characteristics for this chemical, for application within the UMass-Boston Chem/XL Laboratory Program. This information is derived from a wide range of sources documented in that program. While these sources are considered credible, the user is cautioned that the university cannot guarantee the accuracy nor accept responsibility for damages which may arise from errors, omissions, or the use of this information in any context other than intended. The user is strongly encouraged to seek additional information whenever feasible.