# ACETOXYETHANOL (2-) CAS # 542596 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 . . . . . . G . I . . .

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

ACUTE TOXICTY RISK INDEX 1.8 - LD50 8250.0 mg/Kg

SOLVENT NARCOTIC OR NEUROTOXIN

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes severe eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to

mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys.

SIGNS AND SYMPTOMS OF EXPOSURE Prolonged exposure can cause: Nausea,

headache, and vomiting.

Symptoms of ethylene glycol toxicity: when ingested early

symptoms mimic alcohol inebriation and are followed by nausea,

vomiting, abdominal pain, weakness, muscle tenderness,

respiratory failure, convulsions, cardiovascular collapse,

pulmonary edema, hypocalcemic tetany, and severe metabolic

acidosis. Without treatment, death may occur in 8 to 24 hours.

Victims who survive the initial toxicity period usually develop

renal failure along with brain and liver damage.

CONDITIONS AGGRAVATED BY EXPOSURE

May cause nervous system disturbances.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Ccombustible

FLASH POINT 190.4 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Strong bases.

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

appropriate foam.

REACTIVE PROPERTIES

HANDLING: Do not breathe vapor. Avoid contact with eyes, skin, and clothing.

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

from heat and open flame.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi

Indication of Danger: Irritant.

R: 37/38 41

Risk Statements: Irritating to respiratory system and skin. Risk

of serious damage to eyes.

S: 26 39

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. Wear

eye/face protection.

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.