# GLYCOLIC ACID CAS # 79141

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 . . . . .

NFPA HAZARD CODES (H,F,R,O) 3 0 0

ACUTE TOXICTY RISK INDEX 3 - LD50 1950.0 mg/Kg

INHALATION RISK INDEX 1.9 - LC50 7100.0

ROUTE OF EXPOSURE

skin Contact: Causes burns.

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

Eye Contact: Causes burns.

Inhalation: May be harmful if inhaled. Material is extremely

destructive to the tissue of the mucous membranes and upper

respiratory tract.

Ingestion: Harmful if swallowed.

SENSITIZATION

Sensitization: Will not occur

SIGNS AND SYMPTOMS OF EXPOSURE

Material is extremely destructive to tissue of the mucous

membranes and upper respiratory tract, eyes, and skin.

Inhalation may result in spasm, inflammation and edema of the

larynxand bronchi, chemical pneumonitis, and pulmonary edema.

Symptoms of exposure may include burning sensation, coughing,

wheezing, laryngitis, shortness of breath, headache, nausea, and

vomiting.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE 2.0 mm Hg @ 20 °C

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

d - Organic Acid/Flammable/Toxic

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Bases, Oxidizing agents, Reducing agents.

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

appropriate foam.

REACTIVE PROPERTIES

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

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

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: C

Indication of Danger: Corrosive.

R: 22 34

Risk Statements: Harmful if swallowed. Causes burns.

S: 26 36/37/39 45

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. Wear

suitable protective clothing, gloves, and eye/face protection.

In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .75 mg/m3

DOE Short Term Exposure Limit .75 mg/m3

DOE Ceiling Limit .75 mg/m3

Immediately Dangerous to Life and Health .75 mg/m3

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.