# GLYOXYLIC ACID CAS # 563962 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 . . . . E . G . . . . .

NFPA HAZARD CODES (H,F,R,O) 3 1 2

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes burns.

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

Eye Contact: Causes burns.

Inhalation: Material is extremely destructive to the tissue of

the mucous membranes and upper respiratory tract. May be harmful

if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

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. Material is extremely destructive to tissue of the

mucous membranes and upper respiratory tract, eyes, and skin. To

the best of our knowledge, the chemical, physical, and

toxicological properties have not been thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Ccombustible

Explosive

FLASH POINT 230 °F

Forms explosive unstable peroxides

Test periodically or discard

SEGREGATION: SHELF # 3

STORAGE GROUP(S):

d - Organic Acid/Flammable/Toxic

k - Explosive/Unstable

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: REACTIVE TOXIC

INCOMPATIBILITIES:Bases, Oxidizing agents, Reducing agents.

Store at 2-8°C

Keep tightly closed. Store under nitrogen.

Very hygroscopic. Store under inert gas.

REACTIVE PROPERTIES

Handling and StorageHANDLING: Do not breathe dust. Do not get in eyes, on

skin, on clothing. Avoid prolonged or repeated exposure. STORAGE: Keep

tightly closed. Store under nitrogen\. Store at 2-8░C SPECIAL REQUIREMENTS

Very hygroscopic. Store under inert gas.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: C

Indication of Danger: Corrosive.

R: 34

Risk Statements: 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).

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.