# MERCAPTOACETIC ACID CAS # 68111

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 . . . D E . G . . J K .

NFPA HAZARD CODES (H,F,R,O) 3 1 0

ACUTE TOXICTY RISK INDEX 5 - LD50 114.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX 2.2 - LC50 21.0

ROUTE OF EXPOSURE

skin Contact: Causes burns. Causes blisters on contact with skin.

skin Absorption: May be fatal if absorbed through skin. Readily

absorbed through skin.

Eye Contact: Causes burns.

Inhalation: May be fatal if inhaled.

Ingestion: Toxic if swallowed.

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: Liquid

Ccombustible

VAPOR PRESSURE .320 mm Hg @ 20 °C

FLASH POINT 266 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Strong acids.

FIRE EXTINGUISHER: Carbon dioxide, dry chemical powder, or appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Sulfur oxides

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 DIRECTIVES CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 23/24/25 34

Risk Statements: Toxic by inhalation, in contact with skin and

if swallowed. Causes burns.

S: 25 27 28 45

Safety Statements: Avoid contact with eyes. Take off immediately

all contaminated clothing. After contact with skin, wash

immediately with plenty of soap-suds. 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 1 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 1 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 1 ppm

DOE Short Term Exposure Limit 1 ppm

DOE Ceiling Limit 1.25 ppm

Immediately Dangerous to Life and Health 6 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.