# MECHLORETHAMINE HYDROCHLORIDE CAS # 55867 HAZARDOUS CHEMICAL OF CONCERN

DEPARTMENT OF HOMELAND SECURITY 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 . B C . E . G . . J . L

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

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 4.7 - LD50 10.0 mg/Kg

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

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

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: May be fatal if swallowed.

SENSITIZATION

Sensitization: May cause allergic reaction.

TARGET ORGAN(S) OR SYSTEM(S)

Bone marrow. Immune system. Blood. Central nervous system. Ears.

Reproductive system.

SIGNS AND SYMPTOMS OF EXPOSURE

Symptoms of exposure may include burning sensation, coughing,

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

vomiting.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides Hydrogen chloride gas

Store at -20°C

Hygroscopic.

Keep tightly closed.

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. Store at

-20░C SPECIAL REQUIREMENTS Hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T+

Indication of Danger: Very toxic.

R: 45 46 28 34 42/43

Risk Statements: May cause cancer. May cause heritable genetic

damage. Very toxic if swallowed. Causes burns. May cause

sensitization by inhalation and skin contact.

S: 53 45 36/37/39

Safety Statements: 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). Wear

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

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .75 mg/m3

DOE Short Term Exposure Limit 2.5 mg/m3

DOE Ceiling Limit 4 mg/m3

Immediately Dangerous to Life and Health 4 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.