# MERCURIC CHLORIDE CAS # 7487947 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 A B C . E . G H I . . .

NFPA HAZARD CODES (H,F,R,O) 4 0 0

SPECIAL CARCINOGEN - DESIGNATED AREA MAY BE REQUIRED

CHRONIC TOXICITY RISK INDEX 4.2 - TD50 3.1 mg/Kg

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

REPRODUCTIVE RISK INDEX 5.3

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 5+ - LD50 1.0 mg/Kg

NEUROTOXIC - RISK INDEX 4.0

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes burns.

skin Absorption: May be fatal if absorbed through 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.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Nerves. G.I. System.

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. Prolonged exposure can cause: Stomach pains, vomiting,

diarrhea.

CONDITIONS AGGRAVATED BY EXPOSURE

May cause nervous system disturbances.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE .110 mm Hg @ 20 °C

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Strong bases.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Mercury/mercury 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. Store in

a cool dry place\. SPECIAL REQUIREMENTS Light sensitive. Moisture sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T+ N

Indication of Danger: Very toxic. Dangerous for the environment.

R: 28 34 48/24/25 50/53

Risk Statements: Very toxic if swallowed. Causes burns. Toxic:

danger of serious damage to health by prolonged exposure in

contact with skin and if swallowed. Very toxic to aquatic

organisms, may cause long-term adverse effects in the aquatic

environment.

S: 36/37/39 60 45 61

Safety Statements: Wear suitable protective clothing, gloves,

and eye/face protection. This material and its container must be

disposed of as hazardous waste. In case of accident or if you

feel unwell, seek medical advice immediately (show the label

where possible). Avoid release to the environment. Refer to

special instructions/safety data sheets.

Immediately Dangerous to Life and Health 10 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .0338 mg/m3

DOE Short Term Exposure Limit .135 mg/m3

DOE Ceiling Limit 13.5 mg/m3

Immediately Dangerous to Life and Health 13.5 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.