# ANTIMONY(V) CHLORIDE CAS # 7647189 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 . . . . . . G . . . . .

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

ACUTE TOXICTY RISK INDEX 5 - LD50 1115.0 mg/Kg

INHALATION RISK INDEX 1.8 - LC50 192.2

ROUTE OF EXPOSURE

skin Contact: Causes burns.

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

Eye Contact: Causes burns.

Inhalation: Toxic if inhaled. Material is extremely destructive

to the tissue of the mucous membranes and upper respiratory

tract.

Ingestion: Harmful 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. To the best of our knowledge, the chemical, physical,

and toxicological properties have not been thoroughly

investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE .870 mm Hg @ 20 °C

Reacts violently with water

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

WASTE CHARACTERISTIC HAZARD: REACTIVE TOXIC

INCOMPATIBILITIES:Reacts violently with water.

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

Do not use water

TOXIC EMISSIONS WHEN BURNED: Antimony/antimony oxides

REACTIVE PROPERTIES

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

Avoid prolonged or repeated exposure. STORAGE: Store under inert gas. Keep

tightly closed. Store in a cool dry place\. Incompatible Materials: Do not

allow contact with water Special REQUIREMENTS Store under inert gas. Reacts

violently with water.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: C N

Indication of Danger: Corrosive. Dangerous for the environment.

R: 34 51/53

Risk Statements: Causes burns. Toxic to aquatic organisms, may

cause long-term adverse effects in the aquatic environment.

S: 26 45 61

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. In

case of accident or if you feel unwell, seek medical advic immediately

(show the label where possible). Avoid release to

the environment. Refer to special instructions/safety data

sheets.

Immediately Dangerous to Life and Health 50 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 1.23 mg/m3

DOE Short Term Exposure Limit 3.68 mg/m3

DOE Ceiling Limit 6.14 mg/m3

Immediately Dangerous to Life and Health 123 mg/m3ANTIMONY(V) CHLORIDE

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.