# ANTIMONY(II) FLUORIDE CAS # 7783564 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 . . . D E . G . I . . .

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

ACUTE TOXICTY RISK INDEX 2.3 - LD50 2593.5 mg/Kg

SOLVENT NARCOTIC OR NEUROTOXIN

INHALATION HAZARD INHALATION RISK INDEX 3.3 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes burns.

skin Absorption: Toxic if absorbed through skin.

Eye Contact: Causes burns.

Inhalation: Material is extremely destructive to the tissue of

the mucous membranes and upper respiratory tract. Toxic if

inhaled.

Ingestion: Toxic if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Nerves. Blood. Kidneys. Female reproductive system. Male

reproductive system.

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

VAPOR PRESSURE 200.0 mm Hg @ 20 °C

Reacts violently with water

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

WASTE CHARACTERISTIC HAZARD: REACTIVE TOXIC

INCOMPATIBILITIES:Oxidizing agents, Acids, Perchloric acid.

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

Do not use water.

TOXIC EMISSIONS WHEN BURNED: Hydrogen fluoride Antimony/antimony 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\. Incompatible Materials: Do not allow contact with water

SPECIAL REQUIREMENTS Handle and store under inert gas.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T N

Indication of Danger: Toxic. Dangerous for the environment.

R: 23/24/25 51/53

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

if swallowed. Toxic to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

S: 7 26 45 61

Safety Statements: Keep container tightly closed. 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 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 50 mg/m

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .734 mg/m3

DOE Short Term Exposure Limit .734 mg/m3

DOE Ceiling Limit 4 mg/m3

Immediately Dangerous to Life and Health 73.4 mg/m3ANTIMONY(II) FLUORIDE

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.