# ANTIMONY CAS # 7440360 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 . . . . . . . . . . . L

NFPA HAZARD CODES (H,F,R,O) 2 0 0

ACUTE TOXICTY RISK INDEX 1.8 - LD50 7000.0 mg/Kg

INHALATION RISK INDEX 1.2 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

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

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be

irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

SENSITIZATION

Sensitization: Prolonged or repeated exposure may cause allergic

reactions in certain sensitive individuals.

TARGET ORGAN(S) OR SYSTEM(S)

Heart. Respiratory system.

SIGNS AND SYMPTOMS OF EXPOSURE

Nausea, vomiting, diarrhea. Headache. Dizziness.

CONDITIONS AGGRAVATED BY EXPOSURE

Chronic effects due to antimony are alterations of the ECG,

especially T-wave abnormalities, myocardial changes,

pneumoconiosis, but also pneumonitis, tracheitis, laryngitis,

bronchitis, pustular skin eruptions called antimony spots, and

contact allergy to the metal.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE\*\*\*\*\* mm Hg @ 20 °C

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Oxidizing agents, Acids, Reaction with acids produces

highly toxic fumes of stibine (antimony hydride).

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Antimony/antimony oxides

REACTIVE PROPERTIES

HANDLING: Do not breathe dust. Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure. STORAGE: Keep tightly closed\. SPECIAL

REQUIREMENTS Air sensitive. Moisture sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: N

Indication of Danger: Dangerous for the environment.

R: 51/53

Risk Statements: Toxic to aquatic organisms, may cause long-term

adverse effects in the aquatic environment. S: 60

Safety Statements: This material and its container must be

disposed of as hazardous waste.

Immediately Dangerous to Life and Health 50 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .5 mg/m3

DOE Short Term Exposure Limit 1.5 mg/m3

DOE Ceiling Limit 50 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.