# ALUMINUM IODIDE CAS # 7784238 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 . . . . E . . . . . K L

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

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

Multiple Routes: Harmful if swallowed, inhaled, or absorbed

through skin.

SENSITIZATION

Sensitization: May cause allergic respiratory and skin reactions

TARGET ORGAN(S) OR SYSTEM(S)

Thyroid.

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 to iodides may produce iodism in

sensitive individuals. Symptoms of exposure include: skin rash,

running nose, headache and irritation of the mucous membrane.

For severe cases the skin may show pimples, boils, hives,

blisters and black and blue spots. Iodides are readily diffused across

the placenta. Neonatal deaths from respiratory distress

secondary to goiter have been reported. Iodides have been known

to cause drug-induced fevers, which are usually of short

duration. To the best of our knowledge, the chemical, physical,

and toxicological properties have not been thoroughly

investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE .110 mm Hg @ 20 °C

Reacts violently with water

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

WASTE CHARACTERISTIC HAZARD: REACTIVE

INCOMPATIBILITIES:Water.

FIRE EXTINGUISHER: Use extinguishing media appropriate to surroundingfire

conditions.

TOXIC EMISSIONS WHEN BURNED: Aluminum oxide Hydrogen iodide

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 Light sensitive. Air sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: C Indication of Danger: Corrosive.

R: 14 34 40 42/43

Risk Statements: Reacts violently with water. Causes burns.

Limited evidence of a carcinogenic effect. May cause

sensitization by inhalation and skin contact.

S: 22 26 36/37/39 45

Safety Statements: Do not breathe dust. In case of contact with

eyes, rinse immediately with plenty of water and seek medical

advice. Wear suitable protective clothing, gloves, and eye/face

protection. In case of accident or if you feel unwell, seek

medical advice immediately (show the label where possible).

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.