# ALUMINUM CAS # 7429905 HAZARDOUS CHEMICAL OF CONCERN

DEPARTMENT OF HOMELAND SECURITY 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 . . . . . . . . . . . .

NFPA HAZARD CODES (H,F,R,O) 0 3 2

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

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

Eye Contact: Causes eye irritation.

Inhalation: Material is irritating to mucous membranes and upper

respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and

toxicological properties have not been thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

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

Reacts violently in air

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

WASTE CHARACTERISTIC HAZARD: REACTIVE

INCOMPATIBILITIES:Acids, Acid chlorides, Halogens, Oxidizing agents.

FIRE EXTINGUISHER: Dry chemical powder.

TOXIC EMISSIONS WHEN BURNED: Aluminum oxide

REACTIVE PROPERTIES

HANDLING: Avoid breathing dust. Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure. STORAGE: Keep container closed. Keep

away from heat, sparks, and open flame. Store in a cool dry place. Store

under nitrogen.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: F

Indication of Danger: Highly Flammable.

R: 15 17

Risk Statements: Contact with water liberates extremely

flammable gases. Spontaneously flammable in air.

S: 7/8 43

Safety Statements: Keep container tightly closed and dry. In

case of fire, use special powder for metal fire. Never use water.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 15 mg/m3

DOE Short Term Exposure Limit 30 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.