# MAGNESIUM CAS # 7439954 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 . . . . . . . . . . . .

NFPA HAZARD CODES (H,F,R,O) 0 1 2 W

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes 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.

TARGET ORGAN(S) OR SYSTEM(S)

Cardiovascular system. Kidneys. Central nervous system.

SIGNS AND SYMPTOMS OF EXPOSURE

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 .0300 mm Hg @ 20 °C

Reacts violently in air

Reacts violently with water

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: REACTIVE

INCOMPATIBILITIES:Avoid contact with acid., Oxidizing agents,

TOXIC EMISSIONS WHEN BURNED: Acids Acid chlorides

REACTIVE PROPERTIES

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

Avoid prolonged or repeated exposure. Fire: Pyrophoric material. STORAGE:

Keep container closed. Keep away from heat, sparks, and open flame. Store in

a cool dry place. Unsuitable: Do not allow water to enter container.

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 10 mg/m3

DOE Short Term Exposure Limit 30 mg/m3

DOE Ceiling Limit 50 mg/m3

Immediately Dangerous to Life and Health 250 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.