# MAGNESIUM PERCHLORATE CAS # 10034818 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) 2 0 1 W,OX

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: May be harmful if inhaled. Material is irritating to

mucous membranes and upper respiratory tract.

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

Reacts violently with water

Oxidizing Agent

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

e - Oxidizer/Organic Peroxide

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Water, Strong reducing agents, Organic materials, Finely

powdered metals, Strong acids.

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

Do not use water.

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. Handle and store under nitrogen. Unsuitable: Do not

store near, nor allow contact with, clothing and other combustible

material\. Incompatible Materials: Do not allow contact with water Special

REQUIREMENTS Handle and store under inert gas. Reacts violently with water.

Very hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: O Xi

Indication of Danger: Oxidizing. Irritant.

R: 8 36/37/38 14/15

Risk Statements: Contact with combustible material may cause

fire. Irritating to eyes, respiratory system and skin. Reacts

violently with water, liberating extremely flammable gases.

S: 17 26 27 36/37/39 7/8 43

Safety Statements: Keep away from combustible material. In case

of contact with eyes, rinse immediately with plenty of water and

seek medical advice. Take off immediately all contaminated

clothing. Wear suitable protective clothing, gloves, and

eye/face protection. Keep container tightly closed and dry. In

case of fire, never use water.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 6 mg/m3

DOE Short Term Exposure Limit 15 mg/m3

DOE Ceiling Limit 125 mg/m3

Immediately Dangerous to Life and Health 500 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.