# MAGNESIUM NITRATE HEXAHYDRATE CAS # 10377603

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 OX

ACUTE TOXICTY RISK INDEX 2 - LD50 5440.0 mg/Kg

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.

TARGET ORGAN(S) OR SYSTEM(S)

Blood. Central nervous system.

SIGNS AND SYMPTOMS OF EXPOSURE

Repeated exposure can cause: Blood effects. Chemical

pneumonitis. To the best of our knowledge, the chemical,

physical, and toxicological properties have not been thoroughly

investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Oxidizing Agent

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

e - Oxidizer/Organic Peroxide

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong reducing agents, Strong acids.

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

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

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. Keep away

from combustible materials, heat, sparks, and open flame. Store in a cool

dry place. Store under nitrogen\. SPECIAL REQUIREMENTS Store under inert

gas. Hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: O Xi Indication of Danger: Oxidizing. Irritant.

R: 8 36/37/38

Risk Statements: Contact with combustible material may cause

fire. Irritating to eyes, respiratory system and skin.

S: 17 26 36

Safety Statements: Keep away from combustible material. In case

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

seek medical advice. Wear suitable protective clothing.

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.