# MAGNESIUM NITRATE CAS # 13446189

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

Absorption into the body leads to the formation of methemoglobin

which in sufficient concentration causes cyanosis. Onset may be

delayed 2 to 4 hours or longer. 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, Organic materials,

Finely powdered metals, Dimethylformamide.

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

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

HANDLING: Do not breathe vapor. 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.

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 20 mg/m3

DOE Short Term Exposure Limit 60 mg/m3

DOE Ceiling Limit 400 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.