# MANGANESE(II) NITRATE HEXAHYDRATE CAS # 17141638

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 0 1 OX

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

Inhalation: Material is irritating to mucous membranes and upper

respiratory tract.

Multiple Routes: May be harmful by inhalation, ingestion, or

skin absorption. Causes eye and skin irritation.

TARGET ORGAN(S) OR SYSTEM(S)

Blood. Central nervous system. Lungs.

SIGNS AND SYMPTOMS OF EXPOSURE

Men exposed to manganese dusts showed a decrease in fertility.

Chronic manganese poisoning primarily involves the central

nervous system. Early symptoms include languor, sleepiness and

weakness in the legs. A stolid mask-like appearance of the face,

emotional disturbances such as uncontrollable laughter and a

spastic gait with tendency to fall in walking are findings in

more advanced cases. High incidence of pneumonia has been found

in workers exposed to the dust or fume of some manganese

compounds. 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:

INCOMPATIBILITIES:Materials to Avoid: S

FIRE EXTINGUISHER: Water spray.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

HANDLING: Avoid breathing 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\. SPECIAL

REQUIREMENTS Hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: O Xn

Indication of Danger: Oxidizing. Harmful.

R: 8 20/21/22 36/37/38 40

Risk Statements: Contact with combustible material may cause

fire. Harmful by inhalation, in contact with skin and if

swallowed. Irritating to eyes, respiratory system and skin.

Limited evidence of a carcinogenic effect.

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.

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.