# GADOLINIUM CAS # 7440542

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 0

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be

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

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD:

INCOMPATIBILITIES:Oxygen, Strong acids, Strong oxidizing agents.

FIRE EXTINGUISHER: Water spray. Carbon dioxide, dry chemical powder, or

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Gadolinium

REACTIVE PROPERTIES

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and

clothing. Avoid prolonged or repeated exposure. STORAGE: Keep tightly closed.

Store in a cool dry place. Store under nitrogen\. SPECIAL REQUIREMENTS Air

and moisture sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: F

Indication of Danger: Highly Flammable.

R: 11

Risk Statements: Highly flammable.

S: 16 27 33 36/37/39

Safety Statements: Keep away from sources of ignition - no

smoking. Take off immediately all contaminated clothing. Take

precautionary measures against static discharges. Wear suitable

protective clothing, gloves, and eye/face protection.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 500 mg/m3

DOE Short Term Exposure Limit 500 mg/m3

DOE Ceiling Limit 500 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.