# GLUTARALDEHYDE CAS # 111308

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 . . . D . . . H . J K L

NFPA HAZARD CODES (H,F,R,O) 3 0 0

ACUTE TOXICTY RISK INDEX 3.6 - LD50 134.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX 3.4 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

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

Contact: Causes severe eye irritation.

Inhalation: Harmful if inhaled. Material is irritating to mucous

membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

skin: May cause allergic skin reaction.

TARGET ORGAN(S) OR SYSTEM(S)

Central nervous system. Heart.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

VAPOR PRESSURE 16.4 mm Hg @ 20 °C

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong acids, Strong bases, Strong oxidizing agents.

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

appropriate foam.

Store at 2-8°C

Keep tightly closed.

Store under inert gas. Air sensitive.

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\. Store at

2-8░C SPECIAL REQUIREMENTS Store under inert gas. Air sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xn

Indication of Danger: Harmful.

R: 20/22 37/38 41 42/43

Risk Statements: Harmful by inhalation and if swallowed.

Irritating to respiratory system and skin. Risk of serious

damage to eyes. May cause sensitization by inhalation and skin

contact.

S: 23 26 36/37/39 45

Safety Statements: Do not breathe vapor. In case of contact with

eyes, rinse immediately with plenty of water and seek medical

advice. Wear suitable protective clothing, gloves, and eye/fac

protection. In case of accident or if you feel unwell, seek

medical advice immediately (show the label where possible).

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .05 ppm

DOE Short Term Exposure Limit .2 ppm

DOE Ceiling Limit 1 ppm

Immediately Dangerous to Life and Health 5 ppm

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.