# ACETONE CAS # 67641

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 I . . L

NFPA HAZARD CODES (H,F,R,O) 1 3 0

ACUTE TOXICTY RISK INDEX 2 - LD50 5800.0 mg/Kg

NEUROTOXIC - RISK INDEX 2.0

INHALATION HAZARD INHALATION RISK INDEX 3.0 - LC50 13640.0

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

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

Eye Contact: Causes 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.

SENSITIZATION

Sensitization: Causes dermatitis.

TARGET ORGAN(S) OR SYSTEM(S)

Liver. Kidneys.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Flammable

VAPOR PRESSURE 184.0 mm Hg @ 20 °C

FLASH POINT 1 °F

Store in an explosion-proof refrigerator or tightly stoppered in a

well-ventilated area

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: IGNITABLE

INCOMPATIBILITIES:Bases, Oxidizing agents, Reducing agents Acetone reacts

violently with phosphorous oxychloride.

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

appropriate foam.

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 heat, sparks, and open flame.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: F Xi

Indication of Danger: Highly Flammable. Irritant.

R: 11 36 66 67

Risk Statements: Highly flammable. Irritating to eyes. Repeated

exposure may cause skin dryness or cracking. Vapors may cause

drowsiness and dizziness.

S: 9 16 26

Safety Statements: Keep container in a well-ventilated place.

Keep away from sources of ignition - no smoking. In case of

contact with eyes, rinse immediately with plenty of water and

seek medical advice.

OSHA REGULATORY LIMITS

OSHA Permissible Exposure Limit 750 ppm

OSHA Short Term Exposure Limit 1000 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 500 ppm

ACGIH Short Term Exposure Limit 1000 ppm

Immediately Dangerous to Life and Health 2500 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 200 ppm

DOE Short Term Exposure Limit 200 ppm

DOE Ceiling Limit 3200 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.