# ACETIC ANHYDRIDE CAS # 108247 HAZARDOUS CHEMICAL OF CONCERN

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 . . . . . . G H . . . .

NFPA HAZARD CODES (H,F,R,O) 3 2 1 W

ACUTE TOXICTY RISK INDEX 3 - LD50 1780.0 mg/Kg

INHALATION HAZARD

INHALATION RISK INDEX 2.1 - LC50 4166.9

ROUTE OF EXPOSURE

skin Contact: Causes burns.

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

Eye Contact: Causes burns. Lachrymator.

Inhalation: Material is extremely destructive to the tissue of

the mucous membranes and upper respiratory tract. Harmful if

inhaled.

Ingestion: Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

Material is extremely destructive to tissue of the mucous

membranes and upper respiratory tract, eyes, and skin.

Inhalation may result in spasm, inflammation and edema of the

larynxand bronchi, chemical pneumonitis, and pulmonary edema.

Symptoms of exposure may include burning sensation, coughing,

wheezing, laryngitis, shortness of breath, headache, nausea, and

vomiting.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Ccombustible

VAPOR PRESSURE 4.0 mm Hg @ 20 °C

FLASH POINT 120.2 °F

Reacts violently with water

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

b - Pyrophoric/Water Reactive

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: IGNITABLE REACTIVE TOXIC

INCOMPATIBILITIES:Bases, Reducing agents, Finely powdered metals, Alcohols,

Acids, Oxidizing agents.

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

Do not use water.

Store at 2-8°C

Keep tightly closed. Keep away from heat and open flame. Store in a cool dry

place.

Reacts violently with water.

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 and open flame. Store in a cool dry place. Store at 2-8░C SPECIAL

REQUIREMENTS Reacts violently with water.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: C

Indication of Danger: Corrosive.

R: 10-20/22-34

Risk Statements: Flammable. Harmful by inhalation and if

swallowed. Causes burns.

S: 26-36/37/39-45

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. Wear

suitable protective clothing, gloves, and eye/face protection.

In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

OSHA REGULATORY LIMITS

OSHA Ceiling Limit 5 ppm

OSHA Ceiling Limit 20 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 5 ppm

ACGIH Ceiling Limit 21 ppm

Immediately Dangerous to Life and Health 200 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 5 ppm

DOE Short Term Exposure Limit 5 ppm

DOE Ceiling Limit 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.