# ACRYLIC ACID CAS # 79107 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 . . . D E . . . . J K .

NFPA HAZARD CODES (H,F,R,O) 3 2 0

ACUTE TOXICTY RISK INDEX 4 - LD50 2590.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX 2.0 - LC50 1643.0

ROUTE OF EXPOSURE

skin Contact: Causes severe burns.

skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes severe burns.

Inhalation: Harmful if inhaled. Material is extremely

destructive to the tissue of the mucous membranes and upper

respiratory tract.

Ingestion: Harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Liver. Kidneys.

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 114.8 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

d - Organic Acid/Flammable/Toxic

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: IGNITABLE TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Strong bases.

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

REACTIVE PROPERTIES

HANDLING: Do not breathe vapor. Avoid contact with eyes, skin, and clothing.

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

from heat and open flame. Store in a cool dry place\. SPECIAL REQUIREMENTS

Hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: C N

Indication of Danger: Corrosive. Dangerous for the environment.

R: 10 20/21/22 35 50

Risk Statements: Flammable. Harmful by inhalation, in contact

with skin and if swallowed. Causes severe burns. Very toxic to

aquatic organisms.

S: 26 36/37/39 45 61

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). Avoid release to

the environment. Refer to special instructions/safety data

sheets.

OSHA REGULATORY LIMITS

OSHA Permissible Exposure Limit 10 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 2 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 1.5 ppm

DOE Short Term Exposure Limit 1.5 ppm

DOE Ceiling Limit 46 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.