# ACRYLOYL CHLORIDE CAS # 814686 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 . . C D . . G . . . . .

NFPA HAZARD CODES (H,F,R,O) 4 3 1 W

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 5 - LD50 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50 28.5

ROUTE OF EXPOSURE

skin Contact: Causes burns.

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

Eye Contact: Lachrymator. Causes burns.

Inhalation: Material is extremely destructive to the tissue of

the mucous membranes and upper respiratory tract. May be fatal

if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

Symptoms of exposure may include burning sensation, coughing,

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

vomiting. Inhalation may result in spasm, inflammation and edema

of the larynxand bronchi, chemical pneumonitis, and pulmonary

edema. Material is extremely destructive to tissue of the mucous

membranes and upper respiratory tract, eyes, and skin.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Flammable

FLASH POINT 57.2 °F

Forms ignitable mixtures in air at room temperature - Danger of remote

ignition and flashback

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:Alcohols, Oxidizing agents, Strong bases.

FIRE EXTINGUISHER: Carbon dioxide. Dry chemical powder. Do not use water.

TOXIC EMISSIONS WHEN BURNED: Phosgene gas Hydrogen chloride gas

Store at 2-8°C

Keep tightly closed. Keep away from heat, sparks, and open flame. Do not

allow contact with water

Light 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. Keep away

from heat, sparks, and open flame\. Incompatible Materials: Do not allow

contact with water Store at 2-8░C SPECIAL REQUIREMENTS Light sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: F-T+

Indication of Danger: Highly Flammable. Very toxic.

R: 11-14-26-34

Risk Statements: Highly flammable. Reacts violently with water.

Very toxic by inhalation. Causes burns.

S: 7/9-16-26-36/37/39-45-28

Safety Statements: Keep container tightly closed and in

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. 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). After contact with skin, wash

immediately with plenty of water.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .05 ppm

DOE Short Term Exposure Limit .15 ppm

DOE Ceiling Limit .243 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.