# ALLYL CHLORIDE CAS # 107051 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 . G H . J K .

NFPA HAZARD CODES (H,F,R,O) 3 4 0

REPRODUCTIVE RISK INDEX 2.8

ACUTE TOXICTY RISK INDEX 2.8 - LD50 700.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX 3.8 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

skin Absorption: Harmful if absorbed through skin. Readily

absorbed through skin.

Eye Contact: Lachrymator. Causes eye irritation.

Inhalation: Harmful if inhaled. Material is irritating to mucous

membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

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. Exposure can cause: Dyspnea. Respiratory depression.

Tremors. Somnolence.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Flammable

VAPOR PRESSURE 295.2 mm Hg @ 20 °C

FLASH POINT -25.6 °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 TOXIC

INCOMPATIBILITIES:Boron trifluoride, Sulfuric acid, Nitric acid, Strong

oxidizing agents.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Hydrogen chloride gas

Store at 2-8°C

Keep tightly closed. Incompatible Materials: Acids Bases Metals

REACTIVE PROPERTIES

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

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

Incompatible Materials: Acids Bases Metals Store at 2-8░C

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: F Xn N

Indication of Danger: Highly Flammable. Harmful. Dangerous for

the environment.

R: 11 20/21/22 36/37/38 40 48/20 68 50

Risk Statements: Highly flammable. Harmful by inhalation, in

contact with skin and if swallowed. Irritating to eyes,

respiratory system and skin. Limited evidence of a carcinogenic

effect. Harmful: danger of serious damage to health by prolonged

exposure through inhalation. Possible risk of irreversible

effects. Very toxic to aquatic organisms.

S: 16 25 26 36/37 46 61

Safety Statements: Keep away from sources of ignition - no

smoking. Avoid contact with eyes. In case of contact with eyes,

rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing and gloves. If swallowed, seek

medical advice immediately and show this container or label.

Avoid release to the environment. Refer to special

instructions/safety data sheets.

Immediately Dangerous to Life and Health 250 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 1 ppm

DOE Short Term Exposure Limit 3 ppm

DOE Ceiling Limit 40 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.