# ALLYL ISOTHIOCYANATE CAS # 57067

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 . . . . E . G . I J K L

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

ACUTE TOXICTY RISK INDEX 3.6 - LD50 112.0 mg/Kg

NEUROTOXIC - RISK INDEX 5.0

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Vesicant. Causes blisters on contact with skin.

Causes burns.

skin Absorption: Toxic if absorbed through skin.

Eye Contact: Causes burns. Lachrymator.

Inhalation: May be harmful if inhaled. Material is extremely

destructive to the tissue of the mucous membranes and upper

respiratory tract.

Ingestion: Toxic if swallowed.

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

skin: May cause allergic skin reaction.

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

FLASH POINT 114.8 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: IGNITABLE TOXIC

INCOMPATIBILITIES:Water, Alcohols, Strong bases, Amines, Acids Strong

oxidizing agents.

FIRE EXTINGUISHER: Carbon dioxide. Dry chemical powder.

TOXIC EMISSIONS WHEN BURNED: and nitrogen oxides Hydrogen cyanide Sulfur

oxides

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\. SPECIAL

REQUIREMENTS May develop pressure. Open carefully.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 10 24/25 42/43 34

Risk Statements: Flammable. Toxic in contact with skin and i swallowed.

May cause sensitization by inhalation and skin

contact. Causes burns.

S: 23 26 36/37/39 45

Safety Statements: Do not breathe vapor. 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).

Immediately Dangerous to Life and Health 25 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .35 ppm

DOE Short Term Exposure Limit 1 ppm

DOE Ceiling Limit 2.5 ppm

Immediately Dangerous to Life and Health 12.5 ppmALLYL ISOTHIOCYANATE

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.