# ALLYL ALCOHOL CAS # 107186 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 F G H I J K L

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

ACUTE TOXICTY RISK INDEX 4 - LD50 64.0 mg/Kg

NEUROTOXIC - RISK INDEX 5.0

INHALATION HAZARD INHALATION RISK INDEX 3.7 - LC50 1000.0

ROUTE OF EXPOSURE

skin Contact: Causes burns.

skin Absorption: May be fatal if absorbed through skin. Readily

absorbed through skin.

Eye Contact: Causes burns. Lachrymator.

Inhalation: May be fatal if inhaled. Material is extremely

destructive to the tissue of the mucous membranes and upper

respiratory tract.

Ingestion: Toxic if swallowed.

SENSITIZATION

Sensitization: Causes photosensitiveity. Exposure to light can

result in allergic reactions resulting in dermatologic lesions,

which can vary from sunburnlike responses to edematous,

vesiculated lesions, or bullae

TARGET ORGAN(S) OR SYSTEM(S)

Lungs. 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. To the best of our knowledge, the chemical, physical,

and toxicological properties have not been thoroughly

investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Flammable

VAPOR PRESSURE 19.0 mm Hg @ 20 °C

FLASH POINT 72 °F

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

ignition and flashback

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: IGNITABLE TOXIC CORROSIVE

INCOMPATIBILITIES:Alkali metals, Oxidizing agents.

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

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. Store in a cool dry place. Handle and

store under nitrogen\. SPECIAL REQUIREMENTS Handle and store under inert

gas.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T N

Indication of Danger: Toxic. Dangerous for the environment.

R: 10 23/24/25 36/37/38 50

Risk Statements: Flammable. Toxic by inhalation, in contact with

skin and if swallowed. Irritating to eyes, respiratory system

and skin. Very toxic to aquatic organisms.

S: 36/37/39 38 45 61

Safety Statements: Wear suitable protective clothing, gloves,

and eye/face protection. In case of insufficient ventilation,

wear suitable respiratory equipment. 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 2 ppm

OSHA Short Term Exposure Limit 4 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value .5 ppm

Immediately Dangerous to Life and Health 20 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 2 ppm

DOE Short Term Exposure Limit 2.1 ppm

DOE Ceiling Limit 4.2 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.