# ACRYLAMIDE CAS # 79061 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 A B . D E . . . I . . L

NFPA HAZARD CODES (H,F,R,O) 2 1 0

SPECIAL CARCINOGEN - DESIGNATED AREA MAY BE REQUIRED

CHRONIC TOXICITY RISK INDEX 4.1 - TD50 3.8 mg/Kg

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

REPRODUCTIVE RISK INDEX 4.8

ACUTE TOXICTY RISK INDEX 4 - LD50 124.0 mg/Kg

NEUROTOXIC - RISK INDEX 5.0

INHALATION HAZARD INHALATION RISK INDEX 2.2 - LC50 1500.0

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

skin Absorption: Readily absorbed through skin. Toxic if

absorbed through skin.

Eye Contact: Causes eye irritation.

Inhalation: Material may be irritating to mucous membranes and

upper respiratory tract. Harmful if inhaled.

Ingestion: Toxic if swallowed.

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

skin: May cause allergic skin reaction.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Nerves.

SIGNS AND SYMPTOMS OF EXPOSURE

Acrylamide toxicity is manifested as a sensorimotor peripheral

neuropathy. Symptoms include: drowsiness, loss of balance,

confusion, memory loss, hallucinations, numbness, paresthesias

(ataxia, tremor, dysarthria), and incoordination.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Ccombustible

VAPOR PRESSURE .380 mm Hg @ 20 °C

FLASH POINT 280 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Avoid contact with acid., Oxidizing agents Iron and iron

salts., Copper, Brass, Free radical initiators

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

TOXIC EMISSIONS WHEN BURNED: Ammonia

REACTIVE PROPERTIES

HANDLING: Do not breathe dust. Do not get in eyes, on skin, on clothing.

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

REQUIREMENTS Light sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 45-46-20/21-25-36/38-43-48/23/24/25-62

Risk Statements: May cause cancer. May cause heritable genetic

damage. Also harmful by inhalation and in contact with skin.

Also toxic if swallowed. Irritating to eyes and skin. May cause

sensitization by skin contact. Also toxic: danger of serious

damage to health by prolonged exposure through inhalation, in

contact with skin and if swallowed. Possible risk of impaired

fertility.

S: 53-45

Safety Statements: Restricted to professional users. Attention -

Avoid exposure - obtain special instructions before use. In case

of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

OSHA REGULATORY LIMITS

OSHA Permissible Exposure Limit .03 mg/m3

Immediately Dangerous to Life and Health 60 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .3 mg/m3

DOE Short Term Exposure Limit 7.5 mg/m3

DOE Ceiling Limit 60 mg/m3

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.