# GLYCOLONITRILE CAS # 107164

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 E . . . . J K .

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

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 4.8 - LD50 8.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

skin Absorption: May be fatal if absorbed through skin.

Eye Contact: May cause eye irritation.

Inhalation: May be fatal if inhaled. Material may be irritating

to mucous membranes and upper respiratory tract.

Ingestion: May be fatal if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Central nervous system. Heart.

SIGNS AND SYMPTOMS OF EXPOSURE

Exposure can cause: Nausea. Vomiting. Headache. Dizziness.

Confusion. Weakness. Ataxia. Hypotension. Seizures. Coma.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Ccombustible

FLASH POINT 156.2 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Strong acids.

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

appropriate foam

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides Cyanides

REACTIVE PROPERTIES

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

STORAGE: Keep tightly closed. Keep away from heat and open flame. Store in a

cool dry place.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T+

Indication of Danger: Very toxic.

R: 26/27/28

Risk Statements: Very toxic by inhalation, in contact with skin

and if swallowed.

S: 36/37/39 45

Safety Statements: 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).

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .125 ppm

DOE Short Term Exposure Limit .35 ppm

DOE Ceiling Limit 2.57 ppm

Immediately Dangerous to Life and Health 4 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.