# MERCAPTOBENZOTHIAZOLE (2-) CAS # 149304

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 . . . . J K L

NFPA HAZARD CODES (H,F,R,O) 3 1 0

ACUTE TOXICTY RISK INDEX 4 - LD50 2830.0 mg/Kg

INHALATION RISK INDEX <1 - LC50 1270.0

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and

upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SENSITIZATION

skin: May cause allergic skin reaction.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and

toxicological properties have not been thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Ccombustible

FLASH POINT 469.4 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Oxidizing agents.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Sulfur oxides Nitrogen oxides

REACTIVE PROPERTIES

HANDLING: Avoid breathing dust. Avoid contact with eyes, skin, and clothing.

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

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: Xn-N

Indication of Danger: Harmful. Dangerous for the environment.

R: 43-50/53

Risk Statements: May cause sensitization by skin contact. Very

toxic to aquatic organisms, may cause long-term adverse effects

in the aquatic environment.

S: 24-37-60-61

Safety Statements: Avoid contact with skin. Wear suitable

gloves. This material and its container must be disposed of as

hazardous waste. Avoid release to the environment. Refer to

special instructions/safety data sheets.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 5 mg/m3

DOE Short Term Exposure Limit 15 mg/m3

DOE Ceiling Limit 40 mg/m3

Immediately Dangerous to Life and Health 40 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.