# ANTHRACENE CAS # 120127

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 . . . . . . G . . . . L

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

ACUTE TOXICTY RISK INDEX 1.5 - LD50 17000.0 mg/Kg

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes skin irritation.

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

Eye Contact: Causes eye irritation. Lachrymator.

Inhalation: Material is irritating to mucous membranes and upper

respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful 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. Kidneys. Bladder. Blood.

SIGNS AND SYMPTOMS OF EXPOSURE

Possible tumor promoter. Exposure can cause: Headache. Nausea.

Weakness.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Ccombustible

VAPOR PRESSURE .140 mm Hg @ 20 °C

FLASH POINT 249.8 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Hypochlorites, Chromic acid,

Fluorine.

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

appropriate foam.

REACTIVE PROPERTIES

HANDLING: Do not breathe dust. Avoid contact with eyes, skin, and clothing.

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

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi N

Indication of Danger: Irritant. Dangerous for the environment.

R: 36/37/38 50/53

Risk Statements: Irritating to eyes, respiratory system and

skin. Very toxic to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

S: 26 60 61

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. 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 1.5 mg/m3

DOE Short Term Exposure Limit 4 mg/m3

DOE Ceiling Limit 30 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.