# ADRENALIN CAS # 51434

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 . . . . . . .

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

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE Inhalation: Material is irritating to mucous membranes

and upper

respiratory tract.

Multiple Routes: May be fatal if inhaled, swallowed, or absorbed

through skin. Causes eye and skin irritation.

TARGET ORGAN(S) OR SYSTEM(S)

Heart. Smooth muscle.

SIGNS AND SYMPTOMS OF EXPOSURE

Laboratory experiments in animals have shown fetotoxic results.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

a - Organic Base/Flammable/Toxic

WASTE CHARACTERISTIC HAZARD:

INCOMPATIBILITIES:Acids, Acid chlorides, Acid anhydrides, Oxidizing agents.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

HANDLING: Avoid inhalation. Do not get in eyes, on skin, on clothing. Avoid

prolonged or repeated exposure. STORAGE: Keep tightly closed. Store in a cool

dry place\. SPECIAL REQUIREMENTS Light sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 23/24/25

Risk Statements: 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 .25 mg/m3

DOE Short Term Exposure Limit .25 mg/m3

DOE Ceiling Limit .25 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.