# ANILINE CAS # 62533 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 . . . D E . G . I J K L

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

ACUTE TOXICTY RISK INDEX 3.3 - LD50 250.0 mg/Kg

NEUROTOXIC - RISK INDEX 5.0

INHALATION HAZARD INHALATION RISK INDEX 2.1 - LC50 2500.0

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

skin Absorption: Toxic if absorbed through skin. Readily

absorbed through skin.

Eye Contact: Causes severe eye irritation.

Inhalation: Material may be irritating to mucous membranes and

upper respiratory tract. Toxic if inhaled.

Ingestion: Toxic if swallowed.

SENSITIZATION

skin: May cause allergic skin reaction.

TARGET ORGAN(S) OR SYSTEM(S)

Blood. Bladder. Kidneys. Central nervous system.

SIGNS AND SYMPTOMS OF EXPOSURE

Fatigue. Incoordination. Nausea. Vomiting. Headache. Dizziness.

Symptoms may be delayed. Unconsciousness. Weakness. Confusion.

Drowsiness. Absorption into the body leads to the formation of

methemoglobin which in sufficient concentration causes cyanosis.

Onset may be delayed 2 to 4 hours or longer. Exposure can cause:

Cyanosis.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Liquid

Ccombustible

VAPOR PRESSURE .560 mm Hg @ 20 °C

FLASH POINT 158 °F

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

a - Organic Base/Flammable/Toxic

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Materials to Avoid: Z

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

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

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

away from heat and open flame. Store in a cool dry place. Store under

nitrogen\. SPECIAL REQUIREMENTS Handle under inert gas. Light sensitive.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T-N

Indication of Danger: Toxic. Dangerous for the environment.

R: 23/24/25-40-41-43-48/23/24/25-68-50

Risk Statements: Toxic by inhalation, in contact with skin and

if swallowed. Limited evidence of a carcinogenic effect. Risk of

serious damage to eyes. May cause sensitization by skin contact.

Toxic: danger of serious damage to health by prolonged exposure

through inhalation, in contact with skin and if swallowed.

Possible risk of irreversible effects. Very toxic to aquatic

organisms.

S: 26-27-36/37/39-45-46-61-63

Safety Statements: In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice. Take

off immediately all contaminated clothing. 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). If swallowed, seek medical

advice immediately and show this container or label. Avoid

release to the environment. Refer to special instructions/safety

data sheets. In case of accident by inhalation: remove casualty

to fresh air and keep at rest.

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OSHA REGULATORY LIMITS

OSHA Permissible Exposure Limit 2 ppm

ACGIH RECOMMENDED LIMITS

ACGIH Threshold Limit Value 2 ppm

Immediately Dangerous to Life and Health 100 ppm

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 5 ppm

DOE Short Term Exposure Limit 8 ppm

DOE Ceiling Limit 12 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.