# AMINONITROTOLUENE (2,4-) CAS # 99558 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 . . C D E . . . . J K .

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

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

skin Absorption: Toxic if absorbed through skin. Readily

absorbed through skin.

Eye Contact: May cause eye irritation.

Inhalation: Toxic if inhaled. Material may be irritating to

mucous membranes and upper respiratory tract.

Ingestion: Toxic if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Blood.

SIGNS AND SYMPTOMS OF EXPOSURE

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. To the best of our knowledge,

the chemical, physical, and toxicological properties have not

been thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

VAPOR PRESSURE .0000100 mm Hg @ 20 °C

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong oxidizing agents, Acids, Acid chlorides, Acid

anhydrides, Chloroformates.

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

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

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

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

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic.

R: 23/24/25 40 52/53

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

if swallowed. Limited evidence of a carcinogenic effect. Harmful

to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

S: 36/37 45 61

Safety Statements: Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible). Avoid release to

the environment. Refer to special instructions/safety data

sheets.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 7.5 mg/m3

DOE Short Term Exposure Limit 20 mg/m3

DOE Ceiling Limit 150 mg/m3

Immediately Dangerous to Life and Health 250 mg/m3AMINONITROTOLUENE

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.