# AMMONIUM DICHROMATE CAS # 7789095 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 . . H . J K L

NFPA HAZARD CODES (H,F,R,O) 2 1 3 OX

ACUTE TOXICTY RISK INDEX 4 - LD50 53.0 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: Causes burns.

skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes eye irritation.

Inhalation: May be fatal if inhaled. Material is extremely

destructive to the tissue of the mucous membranes and upper

respiratory tract.

Ingestion: Toxic if swallowed.

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

skin: May cause allergic skin reaction.

TARGET ORGAN(S) OR SYSTEM(S)

Lungs. Kidneys. Liver.

SIGNS AND SYMPTOMS OF EXPOSURE

Inhalation of dichromate dusts can cause ulceration and

perforation of the nasal septum. Contact with breaks in the skin

can cause ulceration (chrome sores). Other symptoms of exposure

include erosion and discoloration of the teeth, nephritis,

epigastric pain (inflammation and ulceration of the

gastrointestinal tract). Material is extremely destructive t tissue of

the mucous membranes and upper respiratory tract,

eyes, and skin. Inhalation may result in spasm, inflammation and

edema of the larynxand bronchi, chemical pneumonitis, and

pulmonary edema. Symptoms of exposure may include burning

sensation, coughing, wheezing, laryngitis, shortness of breath,

headache, nausea, and vomiting. Exposure can cause: Stomach

pains, vomiting, diarrhea. To the best of our knowledge, the

chemical, physical, and toxicological properties have not been

thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Ccombustible

Explosive

Shock sensitive Explosive

Oxidizing Agent

SEGREGATION: SHELF # 3

STORAGE GROUP(S):

e - Oxidizer/Organic Peroxide

k - Explosive/Unstable

l - Flammable/Combustible Solvent

WASTE CHARACTERISTIC HAZARD: REACTIVE TOXIC

INCOMPATIBILITIES:Strong reducing agents, Alcohols, Strong acids Avoid

contact with acid.

FIRE EXTINGUISHER: Carbon dioxide, dry chemical powder, or appropriate foam.

Water spray.

REACTIVE PROPERTIES

HANDLING: Avoid prolonged or repeated exposure. Do not breathe dust. Avoid

contact with eyes, skin, and clothing\. Container should be opened only by a

technically qualified person. STORAGE: Keep tightly closed. Keep away from

heat, sparks, and open flame\. SPECIAL REQUIREMENTS Do not grind or subject

to friction or shock. Isolated storage

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU DIRECTIVES CLASSIFICATION

Symbol of Danger: E T+ N

Indication of Danger: Explosive. Very toxic. Dangerous for the

environment

R: 45 46 60 61 2 8 21 25 26 34 42/43 48/23 50/53

Risk Statements: May cause cancer. May cause heritable genetic

damage. May impair fertility. May cause harm to the unborn

child. Risk of explosion by shock, friction, fire, or other

sources of ignition. Contact with combustible material may cause

fire. Also harmful in contact with skin. Also toxic if

swallowed. Also very toxic by inhalation. Causes burns. May

cause sensitization by inhalation and skin contact. Also toxic:

danger of serious damage to health by prolonged exposure through

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

adverse effects in the aquatic environment.

S: 53 45 60 61

Safety Statements: Restricted to professional users. Attention -

Avoid exposure - obtain special instructions before use. In case

of accident or if you feel unwell, seek medical advice

immediately (show the label where possible). This material and

its container must be disposed of as hazardous waste. Avoid

release to the environment. Refer to special instructions/safety

data sheets.

Immediately Dangerous to Life and Health 15 mg/m3

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit .0121 mg/m3

DOE Short Term Exposure Limit .363 mg/m3

DOE Ceiling Limit 7.5 mg/m3

Immediately Dangerous to Life and Health 36.4 mg/m3AMMONIUM DICHROMATE

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.