# AMMONIUM CERIUM(IV) NITRATE CAS # 16774213

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 . . . . . . . . . . . .

NFPA HAZARD CODES (H,F,R,O) 2 0 1 OX

ACUTE TOXICTY RISK INDEX 2.4 - LD50 1720.0 mg/Kg

INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

skin Contact: May cause skin irritation.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material may be

irritating to mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

To the best of our knowledge, the chemical, physical, and

toxicological properties have not been thoroughly investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

Oxidizing Agent

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

e - Oxidizer/Organic Peroxide

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong reducing agents, Organic materials, Finely powdered

metals.

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

appropriate foam\. Protective Equipment: Wear self-contained breathing

apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits t

TOXIC EMISSIONS WHEN BURNED: SITION PRODUCTS HAZARDOUS POLYMER

REACTIVE PROPERTIES

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

tightly closed. Keep away from combustible materials, heat, sparks, and

open flame\. SPECIAL REQUIREMENTS Store under inert gas. Hygroscopic.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: O Xi

R: 8 36/37/38

Risk Statements: Contact with combustible material may cause

fire. Irritating to eyes, respiratory system and skin.

S: 17 26 36

Safety Statements: Keep away from combustible material. In case

seek medical advice. Wear suitable protective clothing.

US DEPARTMENT OF ENERGY TEEL'S

DOE Occupational Exposure Limit 39.1 mg/m3

DOE Short Term Exposure Limit 117 mg/m3

DOE Ceiling Limit 200 mg/m3

Immediately Dangerous to Life and Health 500 mg/m3AMMONIUM CERIUM(IV)

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.