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POLY RESEARCH CORPORATION -- AMMONIUM HYDROXIDE, ZINC OXIDE -- 6810-01-386-5562

Product ID:AMMONIUM HYDROXIDE,ZINC OXIDE

MSDS Date:04/05/1993

FSC:6810

NIIN:01-386-5562

MSDS Number: CCVVN === Responsible Party ===

Company Name: POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

City:HOLTSVILLE

State:NY ZIP:11742 Country:US

Info Phone Num:516-758-0460

Emergency Ph

one Num:516-758-0460

Chemtrec Ind/Phone:(800)424-9300

CAGE:64713

=== Contractor Identification ===

Company Name: POLY RESEARCH CORPORATION

Address:125 CORPORATE DRIVE

Box:City:HOLTSVILLE

State:NY

ZIP:11742-2007 Country:US

Phone:516-758-0460

CAGE:64713

Company Name: POLY SCIENTIFIC R&D CORP.

Address:70 CLEVELAND AVE

Box:City:BAY SHORE

State:NY ZIP:11706 Country:US

Phone:516-586-0400

CAGE:67458

======= Composition/Information on Ingredients ========

Ingred Name: AMMONIUM HYDROXIDE (CER

CLA)

CAS:1336-21-6

RTECS #:BQ9625000 Fraction by Wt: 28 - 30%

Other REC Limits: NONE RECOMMENDED

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: ZINC OXIDE (SARA 313) (CERCLA)

CAS:1314-13-2

RTECS #:ZH4810000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

LD50 LC50 Mixture:LD50 (ORAL RAT) 350 MG/KG (RTECS, NH3)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of C

arcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. MAY CAUSE SEVERE EYE IRRITATION, EYE DAMAGE, BLINDNESS. CONTACT WITH SKIN MAY CAUSE SEVERE IRRITATION/BURNS. INHALATION MAY CAUSE S EVERE IRRITATION/BURNS OF RESPIRATORY SYSTEM, LUNG INFLAMMATION. INGESTION MAY BE FATAL. CAUSES BURNS. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

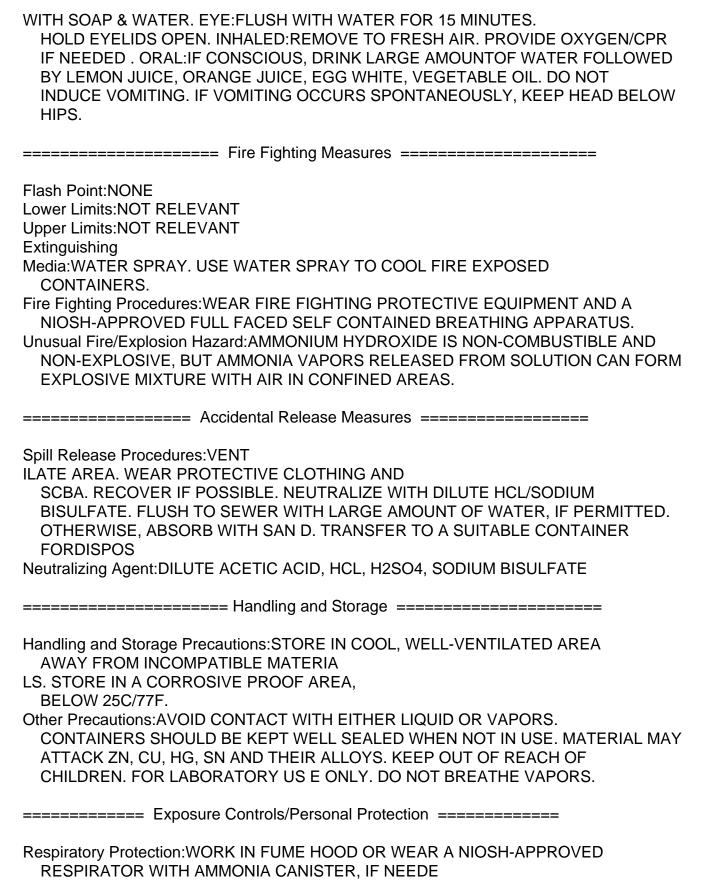
Effects of Overexposure: SEVERE IRRITATION, SEVER

E BURNS, TEARING,

SEVERE COUGHING, DESTRUCTION OF TISSUE ON ANY EXPOSED PART OF THE BODY, CHEST PAIN, NAUSEA, VOMITING, DIFFICULT BREATHING, DEATH, BLINDNESS

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE DISORDERS, SKIN DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. SKIN:FLUSH WITH WATER, THEN WASH



D.

Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR VAPOR LEVELS AS LOW AS POSSIBLE.

Protective Gloves: RUBBER

Eye Protection: CHEMICAL GOGGLES AND FACE SHIELD

Other Protective Equipment: USE RUBBER SPLASH APRON. SAFETY SHOWER AND EYEWASH FOUNTAIN SHOULD BE LOCATED NEARBY.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING AND AFTER HANDLING.

Supplemental Safety and Health

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= Physical/Chemical Properties =========

HCC:B1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=28.3C, 83.F

Melt/Freeze Pt:=-77.8C, -108.F

Vapor Pres:720 @ 80F

Vapor Density:1.2

Spec Gravity:0.90

pH:ALKALI

Solubility in Water:MISCIBLE

Appearance and Odor:LIQUID WITH STRONG ACRID SUFFOCATING ODOR

Percent Volatiles by Volume:100

======== Stability and Reactivity Data =========

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS, FOOD PRODUCT

S, DIMETHYL SULFATE,

BRASS, BRONZ

Stability Condition to Avoid: EXCESSIVE HEAT

Hazardous Decomposition Products: AMMONIA GAS AND NITROGEN OXIDES MAY BE FORMED.

======= Disposal Considerations ===========

Waste Disposal Methods:DISPOE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CAREFULLY NEUTRALIZE WITH SODIUM BISULFATE AND FLUSH TO SEWER WITH LARGE AMOUNT OF WATER, IF PERMITTED.

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