

CHEMICAL COMMODITIES AGENCY, INC. -- MERCURIC NITRATE SOLUTION -- 6810-00-281-4163

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Product Identification
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Product ID:MERCURIC NITRATE SOLUTION

MSDS Date:12/27/1990

FSC:6810

NIIN:00-281-4163

MSDS Number: BDSYX

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

City:HIGH LAND

State:CA

ZIP:92346

Country:US

Info Phone Num:714-864-2310/FAX

714-864-6220

Emergency Phone Num:714-864-2310 (75-1;DELORESS ANGELO)

Preparer's Name:CHARLES A. EISENHARD

CAGE:60777

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:POLYSCIENCES INC

Address:400 VALLEY RD

Box:City:WARRINGTON

State:PA

ZIP:18976

Country:US

Phone:215-343-6484

CAGE:32939

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Composition/Information on Ingredients
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Ingred Name:MERCURIC NITRATE (SARA III)

CAS:10045-94-0

RTECS #:OW8225000

Fraction by Wt: 7.5%

OSHA PEL:0.1 MG HG/M3;SKIN;C

ACGIH TLV:0.1 MG HG/M3; 9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: 0.02%

OSHA PEL:2 PPM/4 STEL

ACGIH TLV:2 PPM/4 STEL; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:D.I.WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 92.48%

===== Hazards Id
entification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYES:SEVERE DAMAGE;SKIN:MILD

IRRITATION;INHALATION:NASAL & RESPIRATORY

IRRITATION;INGESTION:HIGHLY TOXIC.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN

===== First Aid Measures =====

First Aid:REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF N

EED. SKIN:WASH WITH

SOAP & WATER. EYES:FLUSH WITH WATER 15 MIN. KEEP WARM AND QUIET

GIVE MILK/WTR.INDUCE VOMIT.SEE DR.IMM;SKIN:REMOVE CLOTH,SHOES;IF

ANY COND.P ERSISTS,SEE DR.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:CO*2,WATER SPRAY,WATER.

Fire Fighting Procedures:CORROS.MTL-WEAR PROTECTIVE GLOVES,FOOTWEAR AND
CLOTHING.

Unusual Fire/Explosion Hazard:CONTACT W.METALS MAY GENERATE FLAMMABLE
HYDROGEN GAS.

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===== Accidental Release Measures =====

Spill Release Procedures:SML SPILL:USE PROTECTIVE GEAR.MOP UP.PLACE IN SUITABLE DISPOSAL CONTAINERS-LG SPILL:DIKE AREA.NEUTRALIZE W.SODIUM BICARBONATE.SWEEP UP AND DISPOSE OF AS A TOXIC WASTE.PUMP LIQUID TO A SUITABLE HOLDING TANK.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT W.SKIN.DO NOT STORE NEAR ORGANIC MATERIAL SUBJECT TO OXIDATION.

Other P

recautions:DO NOT STORE NEAR ORGANIC MATERIALS SUBJECT TO OXIDATION; AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.WASH THOROUGHLY AFTER EACH USE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR VAPORS/MIST IF ABOVE TLV/PEL.

Ventilation:MECH(GEN)OR LOCAL EXHAUST THAT PROVIDES ADEQUATE VENTILATION

Protective Gloves:IMPERVIOUS

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipme

nt:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Supplemental Safety and Health

MSDS RECEIVED BY THE DGSC-SLM:NOV 6,1987

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

HCC:T4

Boiling Pt:B.P. Text:212F/100C

Vapor Pres:18

Vapor Density:1.0

Spec Gravity:1.07

pH:1.0

Evaporation Rate & Reference:0.36 (BUT ACET=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR SOLUTION WITH NO ODOR.

Percent Volatiles by Volume:92.5

===== Stability and Rea

ctivity Data =====

Stability Indicator/Materials to Avoid: YES

REDUCING AGENTS, ALKALINE COMPOUNDS, ORGANIC COMPOUND

Stability Condition to Avoid: EXCESSIVE HEAT.

Hazardous Decomposition Products: OXIDES OF NITROGEN ON INCINERATION
ALSO MERCURY METAL VAPOR

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

Waste Disposal Methods: DISPOSE OF IAW LOCAL, STATE AND FEDERAL
REGULATIONS.

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