

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

===== Product Identification =====

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

===== 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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