

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 ==

=====

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.

=====

===== 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.

Disclaimer (provided with this information by the compiling agencies):

This in

formation is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.