

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 6810  
NIIN: 010444218  
Manufacturer's CAGE: 4A444  
Part No. Indicator: A  
Part Number/Trade Name: MERCURIC NITRATE SOLUTIONS

=====

General Information

=====

Item Name: MERCURIC NITRATE SOLUTIONS  
Company's Name: ANACHEMIA CHEMICALS INC  
Company's Street: 3 LINCOLN BLVD  
Company's P. O. Box:  
Company's City: ROUSES POINT  
Company's State: NY  
Company's Country: US  
Company's Zip Code: 12979  
Company's Emerg Ph #: 800-424-9300  
Company's Info Ph #: 518-297-4444  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: N  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 004  
Status: SMJ  
Date MSDS Prepared: 23AUG89  
Safety Data Review Date: 12APR97  
Supply Item Manager: N35  
MSDS Preparer's Name: A SEYMOUR  
Preparer's Company: SAME  
Preparer's St Or P. O. Box:  
Preparer's City:  
Preparer's State:  
Preparer's Zip Code:  
Other MSDS Number:  
MSDS Serial Number: BJRQT  
Specification Number:  
Spec Type, Grade, Class:  
Hazard Characteristic Code: T3  
Unit Of Issue:  
Unit Of Issue Container Qty:  
Type Of Container:  
Net Unit Weight:

Report for NIIN: 010444218

NRC/State License Number:  
Net Explosive Weight:  
Net Propellant Weight-Ammo:  
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information

=====

Proprietary: NO  
 Ingredient: MERCURIC NITRATE  
 Ingredient Sequence Number: 01  
 Percent: <4.6  
 Ingredient Action Code:  
 Ingredient Focal Point: N  
 NIOSH (RTECS) Number: 1003923MN  
 CAS Number: 7783-34-8  
 OSHA PEL: 100 UG/M3 (HG)  
 ACGIH TLV: 100 UG/M3 (HG)  
 Other Recommended Limit: N/K

-----

Proprietary: NO  
 Ingredient: NITRIC ACID (SARA III)  
 Ingredient Sequence Number: 02  
 Percent: <1  
 Ingredient Action Code:  
 Ingredient Focal Point: N  
 NIOSH (RTECS) Number: QU5775000  
 CAS Number: 7697-37-2  
 OSHA PEL: 2 PPM/4 STEL  
 ACGIH TLV: 2 PPM/4 STEL; 9192  
 Other Recommended Limit: N/K

-----

Proprietary: NO  
 Ingredient: WATER  
 Ingredient Sequence Number: 03  
 Percent: BALANCE  
 Ingredient Action Code:  
 Ingredient Focal Point: N  
 NIOSH (RTECS) Number: ZC0110000  
 CAS Number: 7732-18-5  
 OSHA PEL: NOT APPLICABLE  
 ACGIH TLV: NOT APPLICABLE  
 Other Recommended Limit: N/K

=====

Physical/Chemical Characteristics

=====

Appearance And Odor: WATER-WHITE ODORLESS LIQUID  
 Boiling Point: N/A  
 Melting Point: N/A  
 Vapor Pressure (MM Hg/70 F): N/A  
 Vapor Density (Air=1): N/A  
 Specific Gravity: N/A  
 Decomposition Temperature: N/K  
 Evaporation Rate And Ref: NOT APPLICABLE

Report for NIIN: 010444218

Solubility In Water: COMPLETE  
 Percent Volatiles By Volume: N/K  
 Viscosity:  
 pH: ACIDIC  
 Radioactivity:  
 Form (Radioactive Matl):  
 Magnetism (Milligauss): N/P  
 Corrosion Rate (IPY): N/K  
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====  
Flash Point: NOT APPLICABLE  
Flash Point Method: N/P  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING  
FIRE CONDITIONS.  
Special Fire Fighting Proc: USE NIOSH/MSHA SCBA WITH A FULL FACEPIECE  
OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.  
Unusual Fire And Expl Hazrds: OXIDIZING MATERIAL CONTRIBUTES TO COMBUSTION  
OF OTHER MATERIALS. AVOID RUN-OFF TO WATERWAYS AND SEWERS. AVOID  
CONTAMINATION OF WATER SUPPLIES.  
=====

Reactivity Data

=====  
Stability: YES  
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: ACETYLENE, ETHANOL, PHOSPHINE, HYPOPHOSPHORIC ACID,  
SULFUR, UNSATURATES, AROMATICS, NA\*2, CO\*3.  
Hazardous Decomp Products: TOXIC FUMES OF MERCURY AND NO\*X ON THERMAL  
DECOMPOSITION.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT  
=====

Health Hazard Data

=====  
LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: EYES:CAUSES IRRITATION. MAY CAUSE SEVERE  
BURNS AND LOSS OF VISION. SKIN:CAUSES SKIN IRRITATION. READILY ABSORBED.  
INHAL:MAY CAUSE RESPIRATORY TRACT INFLAMMATION. INGEST:SEVERE NAUSEA,  
ABDOMINAL PAIN, BLOODY DIARRHEA, KIDNEY DAMAGE, DEATH. CHRONIC:CNS  
DISTURBANCES, MUSCLE TREMORS, LOSS OF MEMORY, (SEE EFTS OF OVEREXP)  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: HLTH HAZ:IRRITABILITY, DEPRESSION, INSOMNIA,  
GUM DISEASE, POSSIBLE IRRATIONALITY OR INSANITY. SYMPTOMS DISAPPEAR WITH  
TIME AFTER EXPOSURE CEASES.  
=====

Report for NIIN: 010444218

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: EYES:WASH EYES WITH COPIOUS QTY OF WATER FOR AT  
LEAST 15 MIN. GET MD. SKIN:WASH SKIN WITH SOAP AND WATER. IF IRRIT OCCURS  
OR PERSISTS SEEK MED ATTN. INHAL:REMOVE PATIENT TO FRESH AIR. ADMINISTER  
APPRVD OXYGEN SUPPLY IF BRTHG IS DFCLT. ADMINISTER ARTF RESP OR CPR IF  
BRTHG HAS CEASED. CALL MD. INGEST:KEEP PATIENT WARM AND QUIET. GIVE LARGE  
QUANTITY OF WATER TO DILUTE. INDUCE VOMIT. GET MD.  
=====

Precautions for Safe Handling and Use

=====  
Steps If Matl Released/Spill: ABSORB ON SAND OR VERMICULITE AND PLACE IN A  
CLOSED CONTAINER FOR DISPOSAL. WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS  
AND HEAVY RUBBER GLOVES.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: ACCORDING TO ALL APPLICABLE REGULATIONS.  
Precautions-Handling/Storing: DO NOT WASH DOWN THE DRAIN. DO NOT STORE IN  
=====

DIRECT SUNLIGHT. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. IN ACCORDANCE WITH GOOD (SEE OTHER PRECAU)

Other Precautions: HNDLG/STOR PREC:STORAGE AND HANDLING PRACTICES. DO NOT ALLOW SMOKING AND FOOD CONSUMPTION WHILE HANDLING.

=====  
Control Measures  
=====

Respiratory Protection: WEAR NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR. USE ADEQUATE VENTILATION.

Ventilation: USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves: NEOPRENE OR POLYETHYLENE GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: MAKE EYE BATH AND EMERGENCY SHOWER AVAILABLE.

Work Hygienic Practices: WASH HANDS FREQUENTLY AND THOROUGHLY DURING CONTACT WITH MATERIAL AND AT END OF WORKDAY (FP N).

Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

=====  
Transportation Data  
=====

Transportation Action Code:

Transportation Focal Point: N

Trans Data Review Date: 91098

DOT PSN Code: IVB

DOT Symbol:

DOT Proper Shipping Name: MERCURIC NITRATE

DOT Class: 6.1

DOT ID Number: UN1625

DOT Pack Group: II

DOT Label: POISON

DOT/DoD Exemption Number:

IMO PSN Code:

IMO Proper Shipping Name:

IMO Regulations Page Number:

IMO UN Number:

IMO UN Class:

IMO Subsidiary Risk Label:

IATA PSN Code: PWH

Report for NIIN: 010444218

IATA UN ID Number: 1625

IATA Proper Shipping Name: MERCURIC NITRATE

IATA UN Class: 6.1

IATA Subsidiary Risk Class:

IATA Label: TOXIC

AFI PSN Code: PWH

AFI Symbols:

AFI Prop. Shipping Name: MERCURIC NITRATE

AFI Class: 6.1

AFI ID Number: UN1625

AFI Pack Group: II

AFI Label:

AFI Special Prov: N73

AFI Basic Pac Ref: 10-12

MMAC Code:

N.O.S. Shipping Name:

Additional Trans Data:

=====  
Disposal Data  
=====

Disposal Data Action Code:

Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:  
 2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:  
 3rd EPA Haz Wst Code New:  
 3rd EPA Haz Wst Name New:  
 3rd EPA Haz Wst Char New:  
 3rd EPA Acute Hazard New:

=====  
 Label Data  
 =====

Label Required: YES  
 Technical Review Date: 06FEB91  
 Label Date:  
 MFR Label Number:  
 Label Status: F  
 Common Name: MERCURIC NITRATE SOLUTIONS  
 Chronic Hazard: YES  
 Signal Word: DANGER!  
 Acute Health Hazard-None:  
 Acute Health Hazard-Slight:  
 Acute Health Hazard-Moderate:

Report for NIIN: 010444218

Acute Health Hazard-Severe: X  
 Contact Hazard-None:  
 Contact Hazard-Slight:  
 Contact Hazard-Moderate:  
 Contact Hazard-Severe: X  
 Fire Hazard-None: X  
 Fire Hazard-Slight:  
 Fire Hazard-Moderate:  
 Fire Hazard-Severe:  
 Reactivity Hazard-None: X  
 Reactivity Hazard-Slight:  
 Reactivity Hazard-Moderate:  
 Reactivity Hazard-Severe:  
 Special Hazard Precautions: ACUTE: EYES: MAY CAUSE IRRITATION, SEVERE  
 BURNS & LOSS OF VISION. SKIN: CAUSES SKIN IRRITATION. READILY ABSORBED  
 THROUGH SKIN. INHAL: MAY CAUSE RESPIRATORY TRACT IRRITATION. INGESTION:  
 SEVERE NAUSEA, ABDOMINAL PAIN, BLOODY DIARRHEA, KIDNEY DAMAGE, DEATH.  
 CHRONIC: CENTRAL NERVOUS SYSTEM DISTURBANCES, MUSCLE TREMORS, LOSS OF  
 MEMORY, IRRITABILITY, DEPRESSION, INSOMNIA, GUM DISEASE, POSSIBLE  
 IRRATIONALITY OR INSANITY.  
 Protect Eye: Y  
 Protect Skin: Y  
 Protect Respiratory: Y  
 Label Name: ANACHEMIA CHEMICALS INC  
 Label Street: 3 LINCOLN BLVD  
 Label P.O. Box:

Label City: ROUSES POINT  
Label State: NY  
Label Zip Code: 12979  
Label Country: US  
Label Emergency Number: 800-424-9300  
Year Procured: