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

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General Information
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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:

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Ingredients/Identity Information
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Page 1
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

Page 2
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 Hazards: 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, AMIDES, NITRO HETEROCYCLIC.
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:CAUSES RESPIRATORY TRACT INFLAMMATION. INGEST:CAUSES 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.

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.
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Control Measures
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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.
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Transportation Data
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Transportation Action Code: 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
API PSN Code: PWH
API Symbols: 
API Prop. Shipping Name: MERCURIC NITRATE
API Class: 6.1
API ID Number: UN1625
API Pack Group: II
API Label: 
API Special Prov: N73
API Basic Pac Ref: 10-12
MMAC Code: 
N.O.S. Shipping Name: 
Additional Trans Data: 
Disposal Data
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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:
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:
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: