

124418
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 6810
NIIN: 002411190
Manufacturer's CAGE: 1B464
Part No. Indicator: A
Part Number/Trade Name: MERCURIC CHLORIDE, M155

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General Information

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Item Name: MERCURIC CHLORIDE,ACS
Company's Name: FISHER SCIENTIFIC CO CHEMICAL DIV.
Company's Street: 1 REAGENT LANE
Company's P. O. Box:
Company's City: FAIR LAWN
Company's State: NJ
Company's Country: US
Company's Zip Code: 07410
Company's Emerg Ph #: 201-796-7100 OR 201-796-7523
Company's Info Ph #: 201-796-7100
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: D
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 005
Status: SE
Date MSDS Prepared: 12MAY92
Safety Data Review Date: 16APR93
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

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Other MSDS Number:
MSDS Serial Number: BQKNS
Specification Number: O-C-265
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: T3
Unit Of Issue: BT
Unit Of Issue Container Qty: 1X100.0 GRAMS
Type Of Container: BOTTLE
Net Unit Weight: 100.0 GRAMS

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

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: MERCURIC CHLORIDE (SARA III)
Ingredient Sequence Number: 01
Percent: 100
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: OV9100000
CAS Number: 7487-94-7
OSHA PEL: 0.1 MG HG/M3;SKIN;C
ACGIH TLV: 0.1 MG HG/M3; 9192
Other Recommended Limit: NONE SPECIFIED BY M.

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Physical/Chemical Characteristics

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Appearance And Odor: WHITE CRYSTALS OR POWDER, ODORLESS.
Boiling Point: 576F/302C
Melting Point: 529F,276C
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K
Specific Gravity: 5.0
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: 6.9%
Percent Volatiles By Volume: 0
Viscosity:

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pH: 4.7
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY):
Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: NONE
Flash Point Method: N/P
Lower Explosive Limit: N/R
Upper Explosive Limit: N/R
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER SPRAY.
Special Fire Fighting Proc: WEAR SELF CONTAINED BREATHING APPARATUS. A VOID BREATHING DUSTS OR FUMES;POISONOUS.
Unusual Fire And Expl Hazrds: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCT ION OF HAZARDOUS DECOMPOSITION PRODUCTS, SUCH AS HYDROGEN CHLORIDE.

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HIGH TEMPERATURES.
Materials To Avoid: POTASSIUM AND SODIUM (STRONG EXPLOSION ON IMPACT).
Hazardous Decomp Products: CORROSIVE HYDROGEN CHLORIDE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/R

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Health Hazard Data

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LD50-LC50 Mixture: ORAL RAT LD50 1 MG/KG LDLO HUMAN 29 MG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE-INHALATION/SKIN/INGESTION:IRRITANT / SENSITIZER, NEUROTOXIN AND NEPHROTOXIN AND HIGHLY TOXIC. EYE: CORROSIV

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CHRONIC- LIVER AND KIDNEY DAMAGE, NEUROPATHY.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity:

Signs/Symptoms Of Overexp: EYE:BURNS,CORNEAL INJURY. SKIN:IRRITATION, SENSITIZATION, SYSTEMIC,ANURIA. INHAL:RESPIRATORY IRRITATION,NAUSEA, VOMITING,DIARRHEA,METALIC TASTE, MERCURIALISM. INGEST:G/I NECROSIS;VIO LENT

PAIN,VOMITING,PURGING. CHRONIC: METALLIC TASTE,PYORRHEA,DIGESTIVE DISORDERS,ERITHISM.

Med Cond Aggravated By Exp: LIVER, KIDNEY, SKIN, RESPIRATORY DISEASES.

Emergency/First Aid Proc: EYE:FLUSH IMMEDIATELY WITH WATER FOR 15 MIN. GET

MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. GET MEDICAL ATTENTION. INHAL:REMOVE TO FRESH AIR. GIVE ARTIFICI AL

RESPIRATION IF NEEDED. GET PROMPT MEDICAL CARE. INGEST:IF CONSCIOUS,RE MOVE

BY GASTRIC LAVAGE OR EMISIS. MAINTAIN AIRWAY & GIVE OXYGEN IF NEEDED. GET

IMMEDIATE MEDICAL CARE.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: WEAR GLOVES AND DUST MASK. ABSORB LIQUID WITH INERT MATERIAL. DRY SPILLS:COLLECT BY VACUUM. PLACE IN CLOSED CONTAINER FOR DISPOSAL. DO NOT CREAT DUST WHEN COLLECTING DRY SPILL.

Neutralizing Agent: NONE REPORTED.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions-Handling/Storing: STORE IN A COOL,DRY,WELL VENTILATED AREA

Other Precautions: LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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Control Measures

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Respiratory Protection: NONE NORMALLY NEEDED. USE NIOSH RESPIRATOR OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV/PEL.

Ventilation: USE HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELO W

TLV/PEL.

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Protective Gloves: RUBBER OR OTHER IMPERVIOUS.
Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES.
Other Protective Equipment: EYE WASH, SAFETY SHOWER, LAB COAT OR APRON,
OTHER CLOTHING AS NEEDED TO PREVENT SKIN CONTACT.
Work Hygienic Practices: USE STRICT CHEMICAL HYGIENE PRACTICES. DO NOT
WEAR CONTACT LENSES. AVOID ALL CONTACT POSSIBLE.
Suppl. Safety & Health Data:

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Transportation Data

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Transportation Action Code:
Transportation Focal Point: D
Trans Data Review Date: 93106
DOT PSN Code: IUW
DOT Symbol:
DOT Proper Shipping Name: MERCURIC CHLORIDE
DOT Class: 6.1
DOT ID Number: UN1624
DOT Pack Group: II
DOT Label: POISON
DOT/DoD Exemption Number:
IMO PSN Code: JIP
IMO Proper Shipping Name: MERCURIC CHLORIDE
IMO Regulations Page Number: 6175
IMO UN Number: 1624
IMO UN Class: 6.1
IMO Subsidiary Risk Label: -
IATA PSN Code: PWC
IATA UN ID Number: 1624
IATA Proper Shipping Name: MERCURIC CHLORIDE
IATA UN Class: 6.1
IATA Subsidiary Risk Class:
IATA Label: TOXIC
AFI PSN Code: PWC
AFI Symbols:
AFI Prop. Shipping Name: MERCURIC CHLORIDE
AFI Class: 6.1
AFI ID Number: UN1624
AFI Pack Group: II
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref: 10-12
MMAC Code:
N.O.S. Shipping Name:

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Additional Trans Data: RQ= 1 LB. SARA PLANNING QUANTITY = 500 LB.

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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:

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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:

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Label Data

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Label Required: YES
Technical Review Date: 16APR93
Label Date:
MFR Label Number: N/R
Label Status: F
Common Name: MERCURIC CHLORIDE
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:

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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: POISON! ACUTE-INHALATION/SKIN/INGESTION:
IRRITANT, SENSITIZER, NEUROTOXIN, NEPHROTOXIN AND HIGHLY TOXIC. EYES:
CORROSIVE. CHRONIC-LIVER AND KIDNEY DAMAGE, NEUROPATHY. STORE IN A COO
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CONSCIOUS, REMOVE BY GASTRIC LAVAGE OR EMESIS. MAINTAIN AIRWAY & GIVE O
XYGEN
IF NEEDED. GET IMMEDIATE MEDICAL CARE.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y

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Label Name: FISHER SCIENTIFIC CO CHEMICAL DIV.
Label Street: 1 REAGENT LANE
Label P.O. Box:
Label City: FAIR LAWN
Label State: NJ
Label Zip Code: 07410
Label Country: US
Label Emergency Number: 201-796-7100 OR 201-796-7523
Year Procured: N/K