

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

FSC: 6810
NIIN: 00D002525
Manufacturer's CAGE: 1B464
Part No. Indicator: A
Part Number/Trade Name: SODIUM PHOSPHATE, MONOBASIC

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General Information

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Item Name:
Company's Name: FISHER SCIENTIFIC CO, SHEMICAL MFG DIV.
Company's Street: 1 REAGENT LN
Company's P. O. Box:
Company's City: FAIR LAWN
Company's State: NJ
Company's Country: US
Company's Zip Code: 07410-2802
Company's Emerg Ph #: 201-796-7100
Company's Info Ph #: 201-796-7523 (AFTER BUSS. HOURS)
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#: 002
Status: SM
Date MSDS Prepared: 22APR89
Safety Data Review Date: 25SEP89
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BGXNY
Specification Number: N/K
Spec Type, Grade, Class: N/K
Hazard Characteristic Code: N1
Unit Of Issue:
Unit Of Issue Container Qty: N/K
Type Of Container: N/K
Net Unit Weight:

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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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 Proprietary: NO
 Ingredient: SODIUM PHOSPHATE, MONOBASIC
 Ingredient Sequence Number: 01
 Percent: 100
 Ingredient Action Code:
 Ingredient Focal Point: D
 NIOSH (RTECS) Number: WA1900000
 CAS Number: 7558-80-7
 OSHA PEL: NONE ESTABLISHED
 ACGIH TLV: NONE ESTABLISHED
 Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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 Appearance And Odor: ODORLESS, DELIQUESCENT CRYSTALS OR POWDERS.
 Boiling Point: 299F/204C
 Melting Point: 212F/100C
 Vapor Pressure (MM Hg/70 F): NEG
 Vapor Density (Air=1): N/K
 Specific Gravity: 2.04
 Decomposition Temperature: N/K
 Evaporation Rate And Ref: N/R
 Solubility In Water: 59.9% AT 0C
 Percent Volatiles By Volume: N/K
 Viscosity:
 pH: N/R
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): N/K
 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: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR
 STANDARD MATERIAL WITH HIGH PRESSURE WATER STREAMS.
 Special Fire Fighting Proc: WHEN FIREFIGHTING, MOVE CONTAINER FROM FIRE
 AREA IF POSSIBLE. DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER
 STREAMS.
 Unusual Fire And Expl Hazrds: NONE STATED.
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Reactivity Data

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 Stability: YES
 Cond To Avoid (Stability): HIGH TEMPERATURE AND PRESSURE.
 Materials To Avoid: BRASS, METAL, STEEL: MAY BE CORROSIVE IN THE PRESENCE
 OF MOISTURE;
 Hazardous Decomp Products: MAY INCLUDE TOXIC AND HAZARDOUS OXIDES OF
 PHOSPHORUS AND TOXIC SODIUM OXIDE.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): N/R
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Health Hazard Data

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LD50-LC50 Mixture: LD50=250 MG/KG (RAT)
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: CHRONIC: REPEATED AND PROLONGED CONTACT MAY CAUSE DERMATITIS. ALSO, SODIUM PHOSPHATE, MONOBASIC IS USED AS A FOOD ADDITIVE, NO ADVERSE EFFECTS HAVE BEEN REPORTED.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: N/R
 Signs/Symptoms Of Overexp: INHALE: DUST MAY CAUSE IRRITATION; SKIN/EYE: MAY CAUSE IRRITATION; INGEST: MAY RESULT IN ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, CRAMPS, PAIN AND BURNING IN THE MARE INLIKELY WHEN THESE SALTS ARE GIVEN ORALLY.
 Med Cond Aggravated By Exp: NONE.
 Emergency/First Aid Proc: EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. OCCASIONALLY LIFTING UPPER & LOWER LIDS; SKIN: REMOVE CONTAMINATED CLOTHING & SHOES, WASH AFFECTED AREA WITH SOAP OR MILD DETERGENT AND LARGE AMESH AIR, IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION; INGEST: GIVE LARGE QUANTITIES OF WATER TO DILUTE THE ACID, DO NOT INDUCE VOMITING.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: FOR SMALL SPILLS, TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CLEAN, DRY CONTAINERS FOR LATER DISPOSAL. KEEP UNCESSARY PEOPLE AWAY.
 Neutralizing Agent:
 Waste Disposal Method: COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 Precautions-Handling/Storing: NONE STATED
 Other Precautions: NONE STATED

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Control Measures

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Respiratory Protection: IF TLV IS EXCEEDED, USE DUST & MIST RESPIRATOR WITH A FULL FACEPIECE, OR AIR-PURIFYING FULL FACEPIECE RESPIRATOR WITH A HIGH-EFFICIENCY PARTICULATE FILTER OR SCBA WITH A FULL FACEPIECE OPERATED IN

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PRESSURE-DEMAND OR OTHER POSITIVE PRES. MODE.
 Ventilation: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION SYSTEM.
 Protective Gloves: RUBBER, PVC.
 Eye Protection: GOGGLES.
 Other Protective Equipment: BOOTS AND APRON. EYE WASH STATION AND SAFETY SHOWER.
 Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING. LAUNDRY CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.
 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: 89268
 DOT PSN Code: ZZZ
 DOT Symbol:

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
 DOT Class: N/R
 DOT ID Number: N/R
 DOT Pack Group:
 DOT Label: N/R
 DOT/DoD Exemption Number:
 IMO PSN Code: ZZZ
 IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
 IMO Regulations Page Number: N/R
 IMO UN Number: N/R
 IMO UN Class: N/R
 IMO Subsidiary Risk Label: N/R
 IATA PSN Code: ZZZ
 IATA UN ID Number: N/R
 IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
 IATA UN Class: N/R
 IATA Subsidiary Risk Class: N/R
 IATA Label: N/R
 AFI PSN Code: ZZZ
 AFI Symbols:
 AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
 AFI Class: N/R
 AFI ID Number: N/R
 AFI Pack Group:
 AFI Label: N/R
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:
 Disposal Data Focal Point:

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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:

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Label Data

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Label Required: YES
 Technical Review Date:
 Label Date:

MFR Label Number:
Label Status: G
Common Name: SODIUM PHOSPHATE, MONOBASIC
Chronic Hazard: N/P
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: CHRONIC: REPEATED AND PROLONGED CONTACT MAY CAUSE DERMATITIS. ALSO, SODIUM PHOSPHATE, MONOBASIC IS USED AS A FOOD ADDITIVE, NO ADVERSE EFFECTS HAVE BEEN REPORTED. INHALE: DUST MAY CAUSE IRRITATION; SKIN/EYE: MAY CAUSE IRRITATION; INGEST: MAY RESULT IN ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, CRAMPS, PAIN AND BURNING IN THE MARE INLIKELY WHEN THESE SALTS ARE GIVEN ORALLY.
Protect Eye:
Protect Skin:
Protect Respiratory:

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Label Street: 1 REAGENT LN
Label P.O. Box:
Label City: FAIR LAWN
Label State: NJ
Label Zip Code: 07410-2802
Label Country: US
Label Emergency Number: 201-796-7100
Year Procured: