

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

=====  
General Information  
=====

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:

Report for NIIN: 00D002525

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

=====  
Ingredients/Identity Information  
=====

=====  
 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  
 =====

Physical/Chemical Characteristics

=====  
 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:  
 =====

Fire and Explosion Hazard Data

=====  
 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.  
 =====

Report for NIIN: 00D002525

=====  
 Reactivity Data

=====  
 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  
 =====

Health Hazard Data

```

=====
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.OCCASIOALLY 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 ARTIFICAIL
RESPIRATION; INGEST:GIVE LARGE QUANTITIES OF WATER TO DILUTE THE ACID,DO
NOT INDUCE VOMITING.
=====

```

Precautions for Safe Handling and Use

```

=====
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
=====

```

Control Measures

```

=====
Respiratory Protection: IF TLV IS EXCEDED,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

```

Report for NIIN: 00D002525

```

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.LAUNDER CONTAMINATED CLOTHING.DISCARD CONTAMINATED SHOES.
Suppl. Safety & Health Data:
=====

```

Transportation Data

```

=====
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:

=====

Disposal Data

=====

Disposal Data Action Code:  
 Disposal Data Focal Point:

Report for NIIN: 00D002525

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:  
 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:

Report for NIIN: 00D002525

Label Name: FISHER SCIENTIFIC CO, SHEMICAL MFG DIV.  
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: