999235001 ACCT.

INDEX: D51798208 CAT NO: BP330500 PO NBR: MARY PINKERTON/VC/06280

**** MATERIAL SAFETY DATA SHEET ****

Sodium phosphate monobasic monohydrate

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Sodium phosphate monobasic monohydrate

MSDS Name: Sociation phosphase and serious and serious \$468-500

Synonyms: Monosodium dihydrogen orthophosphate monohydrate; Monosodium

dihydrogen phosphate monohydrate Company Identification: Fisher Scientific 1 Reagent Lane Fairlawn, NJ 07410

For information, call: 201-796-7100 Emergency Number: 201-796-7100 Emergency Number: For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

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1	CAS#	Chemical Name			
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ı					
i	7558-80-7	Sodium phosphate, monobasic, anhydrous	- 1	231-449-2	
ł					
Ì	10049-21-5	Sodium dihydrogen phosphate monohydrat	>98	unlisted	
3			h	+	

Hazard Symbols: None Listed. Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: white solid. Warning! Causes eye, skin, and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin.

Potential Health Effects

Eve: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: Causes respiratory tract irritation. Can produce delayed pulmonary edema.

Chronic: Effects may be delayed.

**** SECTION 4 - FIRST AID MEASURES ****

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing

before reuse.

Indestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Notes to Physician:

Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full pressure-uemand, mana/Niosh (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustics. decomposition or combustion.

Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

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Autoignition Temperature: Not applicable. Not applicable. Flash Point: Explosion Limits, lower: Not available.

Explosion Limits, upper:Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Wash thoroughly after handling. Use with adequate ventilation. wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure	L	i.m.i.	ts
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ŀ	Chemical Name	ACGIH	NIOSH	OSHA - Final PELS
	Sodium phosphate, m onobasic, anhydrous		none listed	none listed
	Sodium dihydrogen p hosphate monohydrat		none listed	none listed
l				++

OSHA Vacated PELS:

Vacated PELs:
Sodium phosphate, monobasic, anhydrous:
NO OSHA Vacated PELs are listed for this chemical.
Sodium dihydrogen phosphate monohydrate:
NO OSHA Vacated PELs are listed for this chemical.

personal Protective Equipment

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Solid Physical State: Color: white none reported Odor: pH: Negligible. Vapor Pressure: Not applicable. Vapor Density: Evaporation Rate: Nealigible. Not available. Viscosity: Boiling Point: 399 deg F 212 deg F Freezing/Melting Point: Decomposition Temperature: 399 deg F Soluble in water. Solubility in water:

4.726

None of the chemicals in this material have an RQ. SARA Section 302 Extremely Hazardous Substances None of the Chemicals in this product have a TPQ.

No chemicals are reportable under Section 313.

Section 313

4,727

PAGE: 4 DATE: 06/29/05 ACCT: 888235001 INDEX: D51798208 CAT NO: BP330500 PO NBR: MARY PINKERTON/VC/06280 This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors. Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA None of the chemicals in this product are listed as Toxic Pollutants under the CWA. OSHA . None of the chemicals in this product are considered highly hazardous by OSHA STATE Sodium phosphate, monobasic, anhydrous is not present on state lists from CA, PA, MN, MA, FL, or NJ.
Sodium dihydrogen phosphate monohydrate is not present on state lists from CA, PA, MN, MA, FL, or NJ. California No Significant Risk Level: None of the chemicals in this product are listed. European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols: Not available. Risk Phrases: Safety Phrases: WGK (Water Danger/Protection) CAS# 7558-80-7: 1 CAS# 10049-21-5: 1 United Kingdom Occupational Exposure Limits United Kingdom Maximum Exposure Limite CAS# 7558-80-7 is listed on Canada's DSL List. This product has a WHMIS classification of Not controlled.. CAS# 7558-80-7 is not listed on Canada's Ingredient Disclosure List. CAS# 10049-21-5 is not listed on Canada's Ingredient Disclosure List. Exposure Limits **** SECTION 16 - ADDITIONAL INFORMATION **** MSDS Creation Date: 7/12/1999 Revision #2 Date: 3/05/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.