Sodium phosphate monobasic, anhydrous

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

**MSDS Name:** Sodium phosphate monobasic monohydrate

**Catalog Numbers:**
- BPP30-500, BPP38P90K, N95047004
- N9500046
- N9507449
- N95087449
- N95087499

**Synonyms:**
- Sodium dihydrogen orthophosphate monohydrate
- Sodium dihydrogen phosphate monobasic

**Company Identification:**
- Fisher Scientific
- 1 Reagen Lane
- Fair Lawn, New Jersey 07410

**Handling:**
- Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Provide clothing before use.

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

**CAS#** | **Chemical Name** | **% EINECS** | **Unlisted**
--- | --- | --- | ---
7558-80-0 | Sodium phosphate, monobasic, anhydrous | none listed | none listed
10049-5-5 | Sodium dihydrogen phosphate monobasic | none listed | none listed

**Hazard Statements:**
- None listed

**Emergency Overview:**
- Appearance: White solid
- Odor: None detected
- Taste: None detected

**SECTION 3 - HAZARDS IDENTIFICATION**

**Exposure Limits:**
- OSHA Vacated PELs:
  - Sodium phosphate, monobasic, anhydrous: None listed
  - Sodium dihydrogen phosphate monobasic: None listed

**Engineering Controls:**
- Facilities storing or utilizing this material should be equipped with an effective exhaust system.

**Personal Protective Equipment:**
- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as specified by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate protective clothing to prevent skin exposure.
- Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z48.2 requirements or European Standard EN 149 must be followed when hazardous concentrations of airborne contaminants are present in the breathing zone of the respirator's use. Follow the OSHA respirator regulations for WWW for use with this chemical. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**SECTION 4 - FIRST AID MEASURES**

**Eyes:**
- Flush eyes with plenty of water for at least 15 minutes. Occasionally lift 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.

**Ingestion:**
- Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Get medical aid.

**Inhalation:**
- Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, get medical aid. If cough or other symptoms appear, 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 (or equivalent) approved positive pressure self-contained breathing apparatus. No fire extinguishing media must be appropriate for the surrounding fire.

**Physical State:**
- Solid

**Color:**
- White

**Odor:**
- None reported

**PH:**
- 4.5 (1.0 M soln.)

**Vapor Pressure:**
- None detected

**Vapor Density:**
- Not applicable

**Evaporation Rate:**
- Negligible

**Viscosity:**
- Not applicable

**Boiling Point:**
- 300 deg F

**Freezing/Melting Point:**
- 300 deg F

**Decomposition Temperature:**
- Soluble in water.

**Solubility in Water:**
- 4.726
Specific Gravity/Density: 2.04 (water)
Molecular Formula: H3CO4
dMolecular Weight: 117.99

**SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials:
None listed.

Hazardous Decomposition Products:
Carbon monoxide, oxides of phosphorus, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

RTCEH:
CAS# 7558-80-7: WA190000
CAS# 10049-21-5: listed.

LD50 (LC50):
CAS# 7558-80-7: Draize test, rabbit, eye = 150 mg; Oral, rat = 1500 mg/kg.
CAS# 10049-21-5: 280 mg/kg.

Carcinogenicity:
NOS with IARC, NIOSH, NTP, or OSHA.

Toxicity to Reproduction:
Not listed by ACGIH, NIOSH, NTP, or OSHA.

Epidemiology:
No information available.

Teratogenicity:
No information available.

Reproductive Effects:
No information available.

Neurotoxicity:
No information available.

Mutagenicity:
No information available.

Other Studies:
No data available.

**SECTION 12 - ECOLOGICAL INFORMATION**

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in the hazardous waste classification section of the Connecticut state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: Not listed.
RCRA U-Series: Not listed.

**SECTION 14 - TRANSPORT INFORMATION**

US DOT:
No information available.

Canadian TDG:
No information available.

**SECTION 15 - REGULATORY INFORMATION**

US FEDERAL:

TSCA
CAS# 7558-80-7 is listed on the TSCA inventory. CAS# 10049-21-5 is not on the TSCA inventory because it is a hydrate.

Health & Safety Reporting List:
None of the chemicals in this product are under a Health & Safety Reporting List.

Chemical Test Rules:
None of the chemicals in this product are under a Chemical Test Rule.

Section 12b:
None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule:
None of the chemicals in this material have a SNUR under TSCA.

SARA:

CERCLA Hazardous Substances and corresponding NOS:
None of the chemicals in this material have an NO.

SARA Section 302 Extremely Hazardous Substances:
None of the chemicals in this product have a TPQ.

Section 313:
No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class I ozone depleters.
This material does not contain any Class II ozone depleters.

OSHA:
None of the chemicals in this product are listed as Hazardous Substances under the OSHA.
None of the chemicals in this product are listed as Priority Pollutants under the OSHA.

California:

California No Significant Risk Level:
None of the chemicals in this product are listed.

European/International Regulations:

European Labeling in Accordance with EC Directive:
None of the chemicals in this product have a WHMIS Classification of Not Controlled.

Risk Phrases:
Safety Phrases:

Hazard Symbols:
Not available.

WOK (Water Danger, Protection):
CAS# 7558-80-7: 1
CAS# 10049-21-5: 1

United Kingdom Occupational Exposure Limits:

Canada:

CAS# 7558-80-7 is listed on Canada's DSL List.
This product has a WHMIS Classification of Not Controlled.
CAS# 10049-21-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits:

**SECTION 16 - ADDITIONAL INFORMATION**

MEMO:

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 resulting from the use of the information contained herein.

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