

# SAFETY DATA SHEET

Sodium phosphate monobasic, anhydrous

This SDS is valid for all grades and catalog #s

## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:**

High Purity Chemicals

**Synonyms:**

Sodium phosphate monobasic; Sodium phosphate; Sodium dihydrogen phosphate; Monosodium Dihydrogen Phosphate; Monosodium Hydrogen Phosphate; Monosodium Orthophosphate, Phosphoric Acid, Monosodium Salt; Monobasic Sodium Phosphate

**Other means of identification:**

CAS No. 7558-80-7

**Recommended use of the chemical and restrictions on use:**

**Supplier Details:**

**Pharmco Products, Inc.**

58 Vale Road, Brookfield,  
CT 06804, USA.

Tel: 203.740.3471

Fax: 203.740.3481

CCN17213

**Emergency Contact:**

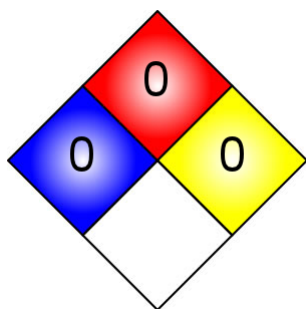
**CHEMTREC: 1.800.424.9300 (USA) / +1.703.527.3887 (International)**

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:**

Not classifiable as a dangerous substance by GHS standards.

**NFPA**



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**Other hazards which do not result in classification:**

**Potential Health Effects:**

Organ	Description
Eyes	Possible eye irritation could occur if exposed to the eye.
Ingestion	May be harmful if ingested
Inhalation	May be harmful if inhaled. Possible respiratory tract irritation could occur.
Skin	May cause skin irritation. May be harmful if absorbed through the skin.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical identity:** Sodium phosphate monobasic, anhydrous  
**Common name / Synonym:** Sodium dihydrogen phosphatemonohydrate Monosodium phosphate  
**CAS number:** 7782-85-7

% Weight	Material	CAS
100	Sodium phosphate, monobasic, Anhydrous	7558-80-7

### 4. FIRST AID MEASURES

#### General advice

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### Skin

Wash skin with soap and copious amounts of water. Seek medical attention.

#### Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

#### Eyes

Flush eyes with water as a precaution.

#### Ingestion

Rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Contact a physician.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

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**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):**

Oxides of phosphorus, Sodium oxides are expected to be hazardous combustion products.

**Special protective equipment and precautions for firefighters:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapors, mist, or gas. Avoid dust formation.

**Environmental precautions:**

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up:**

Sweep up and place material in a convenient waste disposal container. Keep container closed.

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## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Provide proper exhaust ventilation system in areas where dust forms. Take normal fire prevention measures.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, dry and well-ventilated place.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters, e.g., occupational exposure limit values or biological limit values:**

**Occupational Exposure Limits**

Component	Source	Type	Value	Note
Sodium phosphate monobasic, anhydrous	/		No exposure limit.	

**Individual protection measures, such as personal protective equipment:**

**Respiratory protection:**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching

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glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection:**

Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

**Skin and body protection:**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.)</b>	Solid powder
<b>Odor</b>	Odorless
<b>pH</b>	4.1 - 4.5
<b>Formula (SODIUM PHOSPHATE, DIBASIC, ANHYDROUS))</b>	H <sub>2</sub> NaO <sub>4</sub> P · H <sub>2</sub> O
<b>Molecular Weight (SODIUM PHOSPHATE, DIBASIC ANHYDROUS))</b>	137.99 g/mol

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid (e.g., static discharge, shock or vibration)</b>	Moisture
<b>Incompatible materials</b>	Acids, Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus, Sodium oxides

## 11. TOXICOLOGICAL INFORMATION

- Sodium phosphate, dibasic anhydrous 7558-80-7

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Eyes	Possible eye irritation could occur if exposed to the eye
Ingestion	May be harmful if ingested
Inhalation	May be harmful if inhaled. Possible respiratory tract irritation could occur.
Skin	May cause skin irritation. May be harmful if absorbed through the skin.

**12. ECOLOGICAL INFORMATION**

**13. DISPOSAL CONSIDERATIONS**

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Recycle to process, if possible. Consult your local or regional authorities.

**14. TRANSPORT INFORMATION**

Description of waste residues and information on their safe handling and methods of disposal:

UN number	Not a dangerous good.
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**IMDG**

UN-Number: Not a dangerous good.

Marine pollutant: No

**IATA**

UN-Number: Not a dangerous good.

**15. REGULATORY INFORMATION**

Safety, health and environmental regulations specific for the product in question:

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS

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Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

#### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

No SARA Hazards

#### **CERCLA**

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

#### **Pennsylvania Right To Know Components**

Sodium dihydrogenorthophosphate monohydrate CAS-No. 10049-21-5

#### **New Jersey Right To Know Components**

Sodium dihydrogenorthophosphate monohydrate CAS-No. 10049-21-5

#### **California Prop 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

#### **Disclaimer**

PHARMCO-AAPER believes that the information on this SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The

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conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, PHARMCO-AAPER does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS publication.