



THE POWER OF THREE³

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471

Emergency Assistance CHEMTREC 1-800-424-9300

1. Chemical Product and Company Identification

Disodium Phosphate

Manufacturer: PHARMCO-AAPER.
58 Vale Road
Brookfield, Connecticut 06804, USA
Phone (203) 740-3471
Fax (203) 740-3481

1101 Isaac Shelby Drive
Shelbyville, KY 40065
Phone (502) 633-0650
Fax (502) 633-0685

Emergency Contact:

CHEMTREC 1-800-424-9300

2. Composition/Information on Ingredients

COMPONENTS Wt.% CAS RN

Phosphoric acid, disodium salt >98 7558-79-4

3. Hazards Identification

Emergency Overview

Physical Appearance: White crystals or powder without an odor.

Immediate concerns: CAUTION! May cause eye and skin irritation.

Potential Health Effects

Eyes: May cause significant irritation to the eyes.

Skin: May cause significant irritation to the skin.

Ingestion: May cause significant irritation to the digestive tract.

Inhalation: May cause significant irritation to the lungs, upper respiratory tract and nose.

Signs and Symptoms of Overexposure

Eyes: Redness and possible itching and/or tearing of the eyes.

Skin: Redness and/or itching of the skin.

Ingestion: Possible nausea and/or vomiting.

Inhalation: Possible coughing, burning, tightness of chest and/or shortness of breath.

Potential Physical Hazards

Acute Effects: No test data is available for acute dermal toxicity.

Not expected to cause significant adverse effects if ingested.

No test data is available for acute inhalation toxicity.

Subchronic/Chronic Toxicity

Teratogenicity: Not Available

IIIreptoxText

Mutagenicity: Not Available

Medical Conditions Aggravated: Possibly skin diseases or respiratory diseases.

Sensitization: Not Available

Target Organs: May cause kidney, gastrointestinal and respiratory tract effects based on animal data.

Comments: For detailed toxicological information see Section 11.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

Skin: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water.

Seek medical attention. Wash contaminated clothing and shoes before reuse.

Ingestion: Wash out mouth with water and keep at rest. Seek immediate medical attention.

Inhalation: Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. Fire Fighting Measures

Flammable Limits: Not Available

Flashpoint and Method: Not Available

Autoignition Temperature: Not Available

Hazardous Combustion Products: Oxides of both phosphorus and sodium

General Hazard: Evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.

Fire Fighting Equipment: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment

(Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

Flammable Class: Nonflammable

Flame Propagation or Burning Rate of Solids: Not Available

Fire Fighting Procedures: This product is a nonflammable inorganic substance. However, hazardous decomposition and combustion products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating.

Extinguishing Media: Chemical type foam, CO₂ (Carbon Dioxide), Water fog.

Sensitive Static Discharge: Not Available

Sensitivity to Impact: Not Available

6. Accidental Release Measures

Release Notes: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US COAST GUARD

NATIONAL RESPONSE CENTER toll free number 800-424-8802.

In case of accident or road spill notify:

CHEMTREC in USA at 800-424-9300

CANUTEC in Canada at 613-996-6666

CHEMTREC, other countries, at (International code)+1 202

483 7616

Small Spill: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated

in Section 8, move the leaking container to a containment area

or rotate the container so that the opening is above the liquid level.

Sweep up spilled material and dispose of at appropriate waste disposal facility according to current applicable laws and regulations. Flush area with water and ensure that the contaminated water is handled according to applicable laws.

Large Spill: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container. Contain material as described above and call the local fire or police department for immediate emergency assistance.

Land Spill: Use appropriate containment to avoid runoff or release to ground.

Water Spill: Use appropriate containment to avoid runoff or release to sewer or waterways.

General Procedures: Not Available

Comments: See Section 13 for disposal information and Section 15 for regulatory requirements.

Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

7. Handling and Storage

Handling: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area.

Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

Storage: Store in unopened containers under cool and dry conditions.

8. Exposure Controls/Personal Protection

Engineering Controls: If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/m³ for inhalable particles and 3 mg/m³ for respirable.

Eyes and Face: Wear safety glasses with side shields or goggles when handling this material.

Skin: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

Work Hygienic Practices: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

Good personal hygiene practices should always be followed.

Respiratory: If airborne dust is present, use a NIOSH approved particulate respirator.

Comments: This product contains no known OSHA hazardous ingredients per 29 CFR 1910.1200.

No PEL's, TLV's or OEL's for this product or it's ingredients are listed in the current issue of ACGIH's Guide to Occupational

Exposure Values nor have they been determined by the manufacturer.

9. Physical and Chemical Properties

Physical State: Solid

Vapor Pressure: Not Applicable

Freezing Point: Not Available

Melting Point: Not Available

Boiling Point: Not Applicable

pH: 9.2

Comments: of a 1% solution

Evaporation Rate: Not Available

Appearance: Powder or granular

Color: White

Molecular Weight: 144.0 Unit: g/gmol

Odor: Odorless

Specific Gravity: 0.55 Unit: @ 20 C/4 C

Viscosity: Not Applicable

Vapor Density: Not Applicable

Coeff Oil/Water: Not Applicable

Water Solubility: ~12

Comments: g/100 g water

10. Stability and Reactivity

Stable: Yes

Hazardous Polymer: No

Stability: The product is stable under normal ambient conditions of temperature and pressure.

Polymerization: Will not occur
Conditions to Avoid:
Incompatible Materials: Not Available
Hazardous Decomposition: Oxides of Phosphorus
Notes: Heat.

11. Toxicological Information

Eyes: This material may cause significant irritation to the eyes.
Skin: This material may cause significant irritation to the skin.

ACUTE

Skin: Not Available

Ingestion: Oral LD50(rat) > 5000 mg/kg

Inhalation: Not Available

Sensitization: Not Available

Target Organ: Eyes

Skin

Gastrointestinal tract

Kidney

Respiratory system

CARCINOGENICITY

IRAC: Listed by IARC – No

NTP: Listed by NTP – No

XIosha

Teratology: Not Available

Reproduction: Not Available

Mutagenicity: Not Available

12. Ecological Information

Chemical Fate Information: Not Available

Distribution: Not Available

Ecotoxicological Information: Not Available

Environmental Data: May cause adverse environmental impact if material reaches waterways.

13. Disposal Considerations

Disposal Method: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

For Large Spills: Contain material and call local authorities for emergency assistance. In consultation with the appropriate authorities, determine the disposal method or contact Albright & Wilson Americas.

Product Disposal: Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

Empty Container: Contaminated bags should be cleaned and disposed of in the same manner as the product in accordance with applicable regulations.

General Comments: Refer to Section 6, Accidental Release Measures for additional information.

14. Transport Information

DOT (Department of Transportation)

Proper Shipping Name: Not restricted by DOT

Technical Name: Dibasic Sodium Phosphate

Label: Use Product Identifier, "Trade Name", with technical name below.

INTERNATIONAL (I.M.O.)

Proper Shipping Name: Nonhazardous

Label: Use Product Identifier, "Trade Name", with technical name below.

ADR/RID Hazard Classification: Not Regulated

AIR (I.C.A.O.)

Proper Shipping Name: Nonhazardous

Label: Use Product Identifier, "Trade Name", with technical name below.

15. Regulatory Information

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS Number	RQ
Sodium phosphate, dibasic	7558-79-4	5,000lb

International Regulations: All intentional ingredients are listed on the European's EINECS Inventory.

National Response Center: U.S. Coast Guard National Center telephone # 1-800-424-8802

Local Regulations: Not Available

State Regulations: Not Available

SARA Title III (Superfund Amendments and Reauthorization Act)

Acute: No

Chronic: No

Fire: No

Pressure Generating: No

Reactivity: No

313 Reportable Ingredients: Not Applicable

Comments: Not Applicable

TSCA (Toxic Substance Control Act)

TSCA Regulatory: All intentional ingredients are listed on the TSCA Inventory.

CANADA

WHMIS: This product is WHMIS controlled.

CANADA Ingredient Disclosure List: This product does not contain any known ingredient(s) on the "Ingredient Disclosure List".

CEPA: All intentional ingredients are listed on the DSL (Domestic Substance List).

Mexico: This product is considered to be an irritant according to Mexican Standard, Instruction No. 9, ANNEX 1.

16. Other Information

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.