



THE POWER OF THREE³

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471

Emergency Assistance CHEMTREC 1-800-424-9300

Material Safety Data Sheet

WHMIS (Pictograms) WHMIS (Classification) Protective Clothing

Section 1. Product and Company Identification

Product Name / Trisodium phosphate

Trade name

Synonym Trisodium phosphate dodecahydrate, TSP

Chemical Family Phosphate salt

Chemical Formula $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

Manufacturer

Manufacturer: PHARMCO-AAPER.

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Emergency Contact:

CHEMTREC 1-800-424-9300

SECTION II -- HAZARDOUS INGREDIENTS

Listed As

Carcinogenic

OSHA ACGIH Other By IARC, NTP

Ingredient C.A.S. No. Wt. by % PEL TLV-TWA Limit OSHA, ACGIH

Trisodium phosphate 10101-89-0 100 N/E N/E 10mg/m³* No

*total dust

In accordance with OSHA's Hazard Communication Standard, ingredients listed in this section are those identified as being hazardous and present at concentrations greater than 1%, or greater 0.1% if the substance is a listed carcinogen. Information concerning ingredients identified as "Proprietary" will be made available as provided in 29 CFR 1910.1200(i).

SECTION III -- PHYSICAL DATA

Boiling Point (°F): N/A

Specific Gravity (H₂O=1): N/A

Vapor Pressure (mm hg): N/A

% Volatile by Weight: N/A

Vapor Density (Air=1): N/A

Evaporation Rate (H₂O=1): N/A

Solubility in Water: 14

% by weight pH of Concentrate: N/A

Appearance and Odor: White granules or powder with no odor.

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Tag. Closed Tester): N/A **Flammable Limits:** LEL UEL

N/A N/A

Extinguishing Media: Noncombustible. Use media appropriate to material actually involved in fire.

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: Material in aqueous solution is corrosive to aluminum, galvanized iron, and zinc and may generate flammable hydrogen gas as a result of this reaction.

SECTION V -- HEALTH HAZARD DATA

Primary Route(s) of Exposure: Skin contact, inhalation.

Threshold Limit Value: N/D for mixture. See Section II for TLV's of hazardous ingredients.

Effects of Overexposure:

- **Acute:** By Inhalation: - Moderate to severe irritation. Excessive exposure can cause tissue burns.

By Eye Contact - Moderate to severe irritation. May cause chemical burns.

By Ingestion - Irritation or burning of mouth, throat, and gastrointestinal tract.

May cause nausea and vomiting.

By Skin Contact - Can cause moderate to severe irritation and chemical burns.

- **Chronic:** None known.

- **Medical Conditions Generally Aggravated by Exposure:** Some pre-existing skin diseases.

Emergency and First Aid Procedures:

For Inhalation -(of dust or mist) Remove to fresh air. If irritation persists, get medical attention.

For Eye Contact -Flush thoroughly with water for 15 minutes, lifting upper and lower lids occasionally to ensure flushing of entire eye surface. See a doctor if irritation persists.

For Ingestion -DO NOT induce vomiting. Rinse out mouth with water. Drink several glasses of water or milk. Get medical attention.

For Skin Contact -Wash affected area with large amounts of cool water. If irritation persists, see a doctor.

SECTION VI -- REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility (Materials to Avoid): Aqueous solution may react with aluminum, galvanized iron, and zinc.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

SECTION VII -- SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep, scoop, or vacuum up all spilled material, contaminated soil, and other contaminated material and place in containers. If possible, do not use water in the cleanup process. After all possible dry cleanup has been done, residual contamination can be flushed away with large amounts of water.

Waste Disposal Method: Nonsalvageable material should be consigned to a waste hauler for disposal at an approved treatment, storage, or disposal facility. Dispose of all waste in accordance with local, State, and Federal regulations.

Hazardous Waste Classification: None

SECTION VIII -- SPECIAL PROTECTION INFORMATION

For Handling Product as Supplied:

Respiratory Protection -If handling produces dust, use a NIOSH-approved dust mask.

Ventilation -Provide local exhaust if necessary to control dust.

Protective Gloves -NBR or rubber.

Eye Protection -Chemical splash goggles recommended if handling produces dust.

Other Protective Equipment -Not normally required.

SECTION IX -- SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in a dry area to prevent caking.

Other Precautions: None.

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.