

Safety Data Sheet

Product No. 19542 Sodium Phosphate, Monobasic, Anhydrous

Issue Date (08-27-15)

Review Date (11-6-15)

Section 1: Product and Company Identification

Product Name: Sodium Phosphate, Monobasic, Anhydrous

Synonym: Monosodium phosphate; Sodium dihydrogen phosphate; Sodium biphosphate

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

GHS Pictograms



GHS07

GHS Categories

GHS07 – Irritant

Eye irrit. 2 B

H320: Causes eye irritation.

2.2 Label elements

Hazard pictograms



GHS07

Signal Word: Warning

Hazard statements

H320 Causes eye irritation.

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
HMIS® Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment:

PBT: NA

vPvB: NA

Emergency overview

Appearance: White granular powder or crystalline powder.

Immediate effects: Inhalation of this product maybe irritating to nose and throat, causing coughing and choking. Ingestion of large amounts may cause diarrhea, nausea, vomiting and cramps. It may cause eye and skin irritations.

Potential health effects

Primary Routes of entry: Inhalation, ingestion or skin absorption.

Signs and Symptoms of Overexposure: Dermatitis may develop from repeated or prolonged skin contact.

Eyes: Irritating.

Skin: Irritating.

Ingestion: Nausea and vomiting.

Inhalation: Irritates the nose and throat and may cause coughing and chest discomfort.

Chronic Exposure: Dust may aggravate existing pulmonary conditions and/or asthma.

Chemical Listed as Carcinogen or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Sodium phosphate, monobasic, monohydrate (7558-80-7) EC-No. 231-449-2	100	15*	10*	No	No	No

*Particulates not otherwise classified.

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Rinse opened eye for at least 15 minutes under running water. Assure adequate flushing by separating eyelids with fingers. Consult a physician.

Skin Contact: Instantly wash with water and soap and rinse thoroughly. If irritation persists, consult a physician.

Ingestion: If conscious, rinse mouth out with water. Give 2-3 glasses water or milk and seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation: Seek immediate medical advice. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: Non-combustible

Flammable Limits: NA

Auto-ignition point: NA

Fire Extinguishing Media: Use extinguishing media most suitable to surrounding fire conditions.

Special Fire Fighting Procedures: Wear SCBA and full fire-fighting equipment and Clothing.

Unusual Fire and Explosion Hazards: Dust explosion hazard.

Hazardous combustion products: Na_2O , POX

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Sweep or scoop up and remove. Prevent spread of spill. Avoid raising dust. Place in a suitable container for proper disposal. Always wear personal protective equipment.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: Always wear personal protective equipment. Keep container tightly closed. Keep out of direct sunlight. Store away from incompatible materials (acids and strong oxidizers).

Storage temperature: Store in a cool, dry, well-ventilated area.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Properly operating chemical fume hood designed for hazardous chemicals and having an average velocity of at least 1000 ft/min.

Components with critical values that require monitoring in the workplace

PNOC	(mg/m³)
USA PEL	15 (total dust) 5 (respirable fraction)

Personal Protection Equipment

General protective and hygienic measures: The usual precautionary measures should be adhered to in handling the chemical. Keep away from foodstuffs and beverages. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of work.

Respiratory protection: A filter-dust, fume and mist type respirator.
Protective gloves: Natural rubber.
Skin protection: Wear gloves, plastic apron, sleeves or boots as appropriate.
Eye protection: Safety glasses.
Additional clothing and/or equipment: Emergency eyewash and safety shower.

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: White granular powder or crystalline powder.
Odor (threshold): Odorless (ND)
Specific Gravity (H₂O=1): 2.040
Vapor Pressure (mm Hg): ND
Vapor Density (air=1): NA
Percent Volatile by volume: NA

Evaporation Rate (butyl acetate=1): NA
Boiling Point: 204 °C
Melting point: 100 °C
pH: 4.4-4.5
Solubility in Water: Soluble.
Molecular Weight: 119.98
Chemical Formula: NaH₂PO₄

Section 10: Stability and Reactivity

Stability: Stable.
Conditions to Avoid: Heat and thermal decomposition. Absorbs water on contact with air
Materials to Avoid (Incompatibility): Strong acids, strong bases, methenamine, and magnesium.
Hazardous Decomposition Products: Calcium oxide, carbon monoxide, and dioxide.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed:

Oral (Rat) LD50: 8290 mg/kg.
Intra (Rat) LD50: 250 mg/Kg.
Eye (Rabbit) LD50: 150 mg/kg.
Skin (Rabbit) LD50: 7940 mg/kg

Human experience:

Eyes: Mild irritation effect.

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: Do not allow undiluted product or large quantities to reach ground water, water bodies, or sewage system. Do not allow material to be released to the environment without proper government permits.

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated.

IATA: Proper shipping name: Not regulated.

IMO: Proper shipping name: Not regulated.

Marine Pollutant: No

Canadian TDG: Not regulated.

Section 15: Regulatory Information

United States Federal Regulations

SDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: No

SARA Title III: No

RCRA: No

TSCA: Listed.

CERCLA: No

RTECS Number: WA1900000

State Regulations

California Proposition 65: None

International Regulations

Canada WHMIS: DSL: Yes

Europe EINECS Numbers: NIF

Section 16: Other Information

European Risk and Safety Phrases: ND

European symbols needed: ND

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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