

## Safety Data Sheet

**Product No. 19542 Sodium Phosphate, Monobasic, Anhydrous**

**Issue Date (08-27-15)**

**Review Date (08-31-17)**

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### 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**

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

**CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day**

**CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day**

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### 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)

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## Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	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.

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## 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

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**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<sub>2</sub>O, POX

DOT Class: Not regulated.

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**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.

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**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

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**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/m <sup>3</sup> )
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)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: White granular powder or crystalline powder.

Odor (threshold): Odorless (ND)

Specific Gravity (H<sub>2</sub>O=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: NaH<sub>2</sub>PO<sub>4</sub>

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### **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.

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### **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.

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### **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

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### **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.

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### **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.

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## **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

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## **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

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## **Disclaimer**

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