

SAFETY DATA SHEET

1. Identification of the Substance and of the Company

Revised: July 14, 2025

Product Name: Monosodium Phosphate Anhydrous**WC Code:** 13-028**Product Use:** Food and water treatment**Company****WINTERSUN CHEMICAL**

250 E. Belmont St.

Ontario, CA 91761

Call: 909-930-1688

Information / Emergency Telephone**PERS (Professional Emergency Resource Services)**

Domestic Shipments and to Canada: 1-800-633-8253

International Shipments: 1-801-629-0667

2. Hazard Identification

GHS-US Classification

Not classified

GHS-US Label Elements

Not applicable

Hazards not Covered by GHS-US

Not classified

3. Composition / Information on Ingredients

Synonyms: Sodium Phosphate Monobasic; Sodium Dihydrogen Phosphate; Monosodium Dihydrogen Phosphate; Monosodium Hydrogen Phosphate; Monosodium Orthophosphate, Phosphoric Acid, Monosodium Salt**CAS #:** 7558-80-7**Chemical Formula:** NaH_2PO_4 **Molecular Formula:** 119.98 g/mol**Appearance:** White crystalline powder**Assay:** 98% Min

4. First-Aid Measures

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if irritation occurs.

Skin Contact

Remove any contaminated clothing. Wipe off excess from skin. Wash skin with soap and flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation

If inhaled, remove to fresh air immediately and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. Fire Fighting Measures

Hazardous Combustion Products: When heated, it emits toxic fumes of oxides of Phosphorous and Sodium Oxide.

Fire-Fighting Equipment / Instructions

Evacuate personnel to a safe area. If necessary, firefighters should use self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media

Suitable extinguishing media such as water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray to cool fire exposed containers.

6. Accidental Release Measures**Personal Precautions, Protective Equipment, and Emergency Procedures**

Use proper personal protective equipment as indicated in Section 8. Dust deposits should not be allowed to accumulate on surfaces. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation.

Containment and Cleaning up

Handle in accordance with industrial hygiene and safety practices. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Avoid generating dusty conditions. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and Storage**Precautions**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Do not swallow. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Wash hands and other exposed areas with mild soap and water after handling. Handle in accordance with good industrial hygiene and safety procedures.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible

material. Empty containers should be handled with care because it may contain residual amounts of this product.

8. Exposure Controls / Personal Protection

Exposure Limit

No data available

Engineering Controls

Use adequate ventilation or other engineering controls to keep airborne concentrations below recommended exposure limits. See **OSHA Regulations state in 29 CFR 1910.151 (c)** for an eyewash facility and safety shower requirement.

Personal Protective Equipment

Eyes: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Physical State and Appearance: Powder

Color: White

Assay: 98% Min

Insolubles: 0.2% Max

ph: 4.2–4.8

Bulk Density: 0.6 kg/l

Phosphorus Pentoxide: 58.0 Min

Odor: Odorless

Taste: No data available

Molecular Weight: 119.98 g/mole

Boiling Point: No data available

Melting Point: No data available

Specific Gravity: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Odor Threshold: No data available

Water/Oil Dist. Coeff.: No data available

Ionicity (in Water): No data available

Solubility: Easily soluble in cold water, hot water

Flammability of the Product: Non-flammable

Flammable Limits: Not applicable

Autoignition Temperature: Not applicable

Flash Points: Not applicable

10. Stability and Reactivity

Stability: Stable under ordinary conditions

Reactivity: It is a neutralizing agent for acids and caustics

Conditions to Avoid: Excess heat, dust generation

Incompatibilities with other Materials: Strong acids, Strong alkalis, Magnesium and Methenamine

Hazardous Decomposition Products: Phosphorus oxides and sodium oxide

Hazardous Polymerization: Will not occur

Corrosivity: May be mildly corrosive to steel, iron and aluminum

11. Toxicological Information

Component Analysis - LD50/LC50

Monosodium Phosphate:

Eye effects-Human 50 mg Mild irritation effects

Eye effects-Rabbit, adult 150 mg Mild irritation effects

Oral-Rat LD50: 8290 mg/kg

Intramuscular-Rat LD50: 250 mg/kg

Carcinogenicity

The components of this product are not listed as carcinogen by ACGIH, IARC, NIOSH, NTP, or OSHA

12. Ecological Information

No data available

13. Disposal Information

Waste Disposal

Keep out of sewers and waterways. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

US DOT

Not regulated as a hazardous material

IMDG/ IATA

Not regulated as a hazardous material

15. Regulatory Information

SARA 302

No chemicals are reportable under Section 302

SARA 311/312 Hazards

No SARA Hazards

CERCLA/SARA Section 313

No chemicals are reportable under Section 313

US State

State Right to Know:

This chemical is listed on the following state right to know lists: New Jersey, Pennsylvania

California Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

TSCA 8(b) Inventory

Sodium phosphate monobasic, Anhydrous

16. Other Information**HMIS Rating**

Health: 1

Flammability: 0

Physical Hazard 0

Personal Protection:

NFPA Rating

Health: 1

Flammability: 0

Instability: 0

Special Hazards:

Revision Date: July 14, 2025

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