

Material Safety Data Sheet

Product No. 19542 Sodium Phosphate, Monobasic, Anhydrous

Issue Date (09-08-06)

Review Date (10-06-08)

Section 1: Product and Company Identification

Product Name: Sodium Phosphate, Monobasic, Anhydrous

Synonym: Monosodium phosphate; Sodium dihydrogen phosphate; Sodium biphosphate

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Sodium Phosphate, Monobasic (7558-80-7)	100	NE	NE	No	No	No

Section 3: Hazard Identification

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 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Flush with soap and water. For symptoms of exposure, consult a physician.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Dilute with 2 to 3 glasses of water or milk. Never give anything by mouth to an unconscious individual.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: Non-combustible

Flammable Limits: LEL: NA, UEL: NA

Auto-ignition point: NA

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

Special Fire Fighting Procedures: Wear SCBA. Wear full fire fighting equipment and clothing in fire situations.

Unusual Fire and Explosion Hazards: Dust explosion hazard

Hazardous combustion products: Na_2O , PO_x

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.

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

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Local exhaust.

Personal Protection Equipment

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 2)

Section 9 Physical and Chemical Properties

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

Odor (threshold): Odorless.

Specific Gravity (H₂O=1): 2.040

Vapor Pressure (mm Hg): 0 mm Hg at 20° C

Vapor Density (air=1): NA

Percent Volatile by volume: NA

Evaporation Rate (butyl acetate=1): NA

Boiling Point: NA

Freezing point / melting point: NA/ 60 (Dihydrate); Monohydrate: At 100° C loses all its water.

pH: 4.4 to 4.5

Solubility in Water: Soluble.

Molecular Weight: 119.98

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: PO_x, PH₃

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-hmn LD₅₀: 50 mg/kg. Eye-rbt LD₅₀: 150 mg/kg. Skin-rbt 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: NIF

Chemical Fate Information: NIF

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: No

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.

Canadian TDG: DSL listed.

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA 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

Label Information: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not breathe dust, vapor, mist, or gas. Keep away from heat, sparks, and open flames. Store in a cool dry place.

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols:

NFPA Hazard Rating: Health: **0**; Fire: **0**; Reactivity: **1**

HMIS Hazard Rating: Health: **0**; Fire: **0**; Reactivity: **1**

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

We. make 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.