



Material Safety Data Sheet

Sodium phosphate, dibasic, anhydrous, ACS

Section 1 - Chemical Product and Company Identification

MSDS Name:

Sodium phosphate, dibasic, anhydrous, ACS

Catalog Numbers:

LC24774

Synonyms:

Phosphoric acid, sodium salt; sodium orthophosphate, dibasic.

Company Identification:

LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7558-79-4	Sodium phosphate, dibasic	100%

Section 3 - Hazards Identification

Emergency Overview

Appearance: *white solid***Caution!** Causes mild eye irritation. Causes mild skin irritation. May cause respiratory tract irritation.**Target Organs:** none.**Potential Health Effects****Eye:**

Causes mild eye irritation. May cause chemical conjunctivitis.

Skin:

Causes mild skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

May cause respiratory tract irritation. Can produce delayed pulmonary edema.

Chronic:

Effects may be delayed.



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Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use extinguishing media appropriate to the surrounding fire.

Extinguishing Media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

Health-1; flammability-0; reactivity-0

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.



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Section 7 - Handling and Storage

Handling:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Sodium phosphate dibasic	none listed	none listed	none listed

OSHA Vacated PELs:

Sodium phosphate dibasic: No OSHA Vacated PELs are listed.

Personal Protective Equipment**Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear appropriate protective eyeglasses or chemical safety goggles as described in 29 CFR 1910.133.

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.

Section 9 - Physical and Chemical Properties

Physical State:	Solid
Color:	White
Odor:	Odorless
pH:	8.7-9.3
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available



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Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	118 F
Decomposition Temperature:	Not available
Solubility in water:	104% (40°C)
Specific Gravity/Density:	1.67 (Water = 1)
Molecular Formula:	Na ₂ HPO ₄
Molecular Weight:	141.96

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal storage and handling conditions.

Conditions to Avoid:

Dust generation, exposure to air, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Oxides of phosphorus, irritating and toxic fumes and gases, sodium oxide.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 7558-79-4: WC4500000

LD50/LC50:

CAS# 7558-79-4:

Draize test, rabbit, eye: 500 mg/24H Mild;

Draize test, rabbit, skin: 500 mg/24H Mild;

Oral, rat: LD50 = 17 gm/kg;

Carcinogenicity:

CAS# 7558-79-4: Not listed by ACGIH, IARC, NTP, or CA Proposition 65.

Epidemiology:

No information available.

Teratogenicity:

No information available.

Reproductive:

No information available.

Mutagenicity:

No information available.

Neurotoxicity:

No information available.

Section 12 - Ecological Information

No information available.



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Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA:

CAS# 7558-79-4 is listed on the TSCA inventory. Does not have a Significant New Use Rule.

SARA Reportable Quantities (RQ):

CAS# 7558-79-4: 5000 lb final RQ; 2270 kg final RQ

CERCLA/SARA Section 313:

Not reportable under Section 313.

OSHA - Highly Hazardous:

Not considered highly hazardous by OSHA.

US State

State Right to Know:

CAS# 7558-79-4 is listed on the following state right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

California Regulations:

Not listed.

European/International Regulations

Canadian DSL/NDSL:

CAS# 7558-79-4 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:

CAS# 7558-79-4 is not listed on the Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: August 7, 2006

Revision Date: None

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