



Material Safety Data Sheet

SODIUM PHOSPHATE DIBASIC

24 Hour Emergency Phone: CHEMTREC (US) 1-800-424-9300
CANUTEC (CANADA) 613-996-6666

Date of Preparation: 09/07/10

Revision: 03/15/12

Section 1 - Chemical Product and Company Identification

BDH8020, BDH0296

Synonyms: Disodium phosphate; DSP; Disodium hydrogen phosphate

CAS No: 7558-79-4

Molecular Weight: 141.96

Chemical Formula: Na₂HPO₄

Manufacturer: Hawkins, Inc.
3100 E. Hennepin Avenue
Minneapolis, MN 55413

Manufactured for: VWR International, LLC
100 Matsonford Road
Suite 200
Radnor, PA 19087

For More Information Call: 1-800-932-5000
(Monday-Friday, 8:00am-5:00pm)

Email: chemicals@vwr.com
www.vwr.com

Section 2 - Composition / Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Phosphate, Dibasic	7558-79-4	90 - 100%	Yes

Section 3 - Hazards Identification

Emergency Overview

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED OR INHALED.

Potential Health Effects

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Ingestion: Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium.

Skin Contact: May cause irritation with redness and pain.

Eye Contact: May cause irritation, redness and pain.

Chronic Exposure: May sequester calcium and cause calcium phosphate deposits in the kidneys. Chronic ingestion or inhalation may induce systemic phosphorous poisoning. Liver damage, kidney damage, jaw/tooth abnormalities, blood disorders and cardiovascular effects can result.

Aggravation of

Pre-existing

Conditions: Persons with pre-existing skin disorders or eye problems, jaw/tooth abnormalities, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Section 5 - Fire-Fighting Measures

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing

Media: Use any means suitable for extinguishing surrounding fire.

Special

Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6 - Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Section 7 - Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8 - Exposure Controls / Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators

(NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator

Skin Protection: Wear protective gloves and clean body-covering clothing.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 - Physical and Chemical Properties

Appearance: Colorless or white, granular salt.	Boiling Point: Not applicable.
Odor: Odorless.	Melting Point: 240C (464F) Converts to Na ₄ P ₂ O ₇
Solubility: Soluble in water.	Vapor Density (Air=1): No information found.
Specific Gravity 2.07 @ 15C/4C	Vapor Pressure (mm Hg): No information found.
pH: No information found.	Evaporation Rate (BuAc=1): No information found.

Section 10 - Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition

Products: Sodium and phosphorus oxides may form when heated to decomposition.

Hazardous

Polymerization: Will not occur.

Incompatibilities: Acids, alkaloids, lead acetate, antipyrine, chloral hydrate, resorcinol and pyrogallol.

Conditions to

Avoid: Incompatibles.

Section 11- Toxicological Information

Oral rat LD50: 17 mg/kg.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
-----	Known	Anticipated	-----
Sodium Phosphate, Dibasic (7558-79-4)	No	No	None

Section 12 - Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 - Transport Information

Not regulated

Section 15 - Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Sodium Phosphate, Dibasic (7558-79-4)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

--Canada--

Ingredient	Korea	DSL	NDSL	Phil.
Sodium Phosphate, Dibasic (7558-79-4)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

Ingredient	-SARA 302- RQ	TPQ	-----SARA 313----- List	Chemical Catg.
Sodium Phosphate, Dibasic (7558-79-4)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----

-RCRA- -TSCA-

Ingredient	CERCLA	261.33	8(d)
Sodium Phosphate, Dibasic (7558-79-4)	5000	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated. Poison

Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. MSDS contains all of the information required by the CPR.

Section 16 - Other Information

Label Precautions:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Keep container closed. Use with adequate ventilation.

Label First Aid:

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. If swallowed, give large amounts of

water to drink. Never give anything by mouth to an unconscious person.
Get medical attention.

Personal Protective

Equipment: Goggles, Lab Coat, Vent Hood, Proper Gloves

Disclaimer: FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE.

Prepared By: HSE Department

Revision Notes: VWR Address Update

Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information.

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