

Mallinckrodt Material Safety Data

Emergency Phone Number: 314-982-5000

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Mallinckrodt, Inc., Science Products Division, P.O. Box M, Paris, KY 40361.

SODIUM PHOSPHATE TRIBASIC

PRODUCT IDENTIFICATION:

Synonyms: Trisodium phosphate, dodecahydrate; phosphoric acid, trisodium salt dodecahydrate

Formula CAS No.: 10101-89-0 (Hydrated)

TSCA CAS No.: 7601-54-9 (Anhydrous)

Molecular Weight: 380.12

Chemical Formula: $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

Hazardous Ingredients: CAS# 1310-73-2 Sodium Hydroxide.

PRECAUTIONARY MEASURES

DANGER! CAUSES BURNS. HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin, or on clothing. Avoid breathing dust.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

EMERGENCY/FIRST AID

If swallowed, DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases call a physician.

SEE SECTION 5.

DOT Hazard Class: ORM-E

SECTION 1 Physical Data

Appearance: Transparent, colorless crystals.

Odor: Odorless.

Solubility: 30 gm in 100gm of water.

Boiling Point: Loses 11 H_2O at

100°C (212°F) (decomposes)

Melting Point: ca. 75°C (ca. 167°F).

Density: 1.6

Vapor Density (Air = 1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

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 3 Reactivity Data

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Oxides of phosphorus and the contained metal.

Hazardous Polymerization:

This substance does not polymerize.

Incompatibilities:
Acidic materials.

SECTION 4 Leak/Spill Disposal Information

Ventilate area or leak or spill. Clean-up personnel may require protective clothing and respiratory protection from dust. Spills: Sweep up and containerize for reclamation or disposal. Avoid dust dispersal. Disposal: Whatever cannot be saved for reclamation may be disposed as hazardous waste in an approved waste disposal facility.

Ensure compliance with local, state and federal regulations.

Effective Date: 08-27-85

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Addendum to Material Safety Data Sheet

REGULATORY STATUS

This Addendum Must Not Be Detached from the MSDS
Identifies SARA 313 substance(s)
Any copying or redistribution of the MSDS must include a copy of this addendum
(Chem.Key: SOPHT)

Hazard Categories for SARA
Section 311/312 Reporting
Acute Chronic Fire Pressure Reactive
..... X

Product or Components
of Product:

SARA EHS Sect. 302 RQ (lbs.)	TPQ (lbs.)	SARA Section 313 Chemicals Name List	Chemical Category	CERCLA Sec.103 RQ (lbs.)	RCRA Sec. 261.33
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SODIUM PHOSPHATE TRIBASIC
Sodium phosphate, tribasic (7601-54-9) as 12-hydrate salt:
min of 98%
Sodium hydroxide (1310-73-2) max of 2.5%

No	No	No	No	5000	No
No	No	Yes	No	1000	No

SARA Section 302 EHS RQ: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103: Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA: Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

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