SDS

永华化学股份有限公司
YONGHUA CHEMICAL CO., LTD.

Sodium phosphate dibasic dodecahydrate

1. Product Identification

Synonyms: di-Sodium hydrogen phosphatedodecahydrate , Disodium hydrogen phosphatedodecahydrate sec-Sodium phosphate , Disodium phosphate

CAS No.：10039-32-4

Manufacturer/supplier:

Yonghua Chemical Co., Ltd.

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2. Composition/Information on Ingredients

CAS No.	Chemical Name	Content	EINECS#
10039-32-4	Sodium phosphate dibasic dodecahydrate	≤100	600-088-6

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

3. Hazards Identification

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause mild eye irritation.

Skin:

May cause mild skin irritation.

Ingestion:

May cause irritation of the digestive tract. Expected to be a low ingestion hazard.

Inhalation:

May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic:

Not available.

4. First Aid Measures

Eyes: 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 if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

Notes to Physician:

5. Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire.

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. Avoid generating dusty conditions.

7. Handling and Storage

Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing.

Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage:

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

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 ventilation to keep airborne concentrations low.

Exposure Limits CAS# 7558-79-4: CAS# 10039-32-4: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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9. Physical and Chemical Properties

Physical State: Solid

Color: white

Odor: Odorless

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 35 deg C

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: >34 deg C

Solubility in water: 218 G/L (20 C)

Specific Gravity/Density:

Molecular Formula: HNa2PO4.12H2O

Molecular Weight: 358.13

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10. Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong acids Hazardous Decomposition Products:

Oxides of phosphorus, sodium oxide.

Hazardous Polymerization: Will not occur.

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11. Toxicological Information

RTECS#:

CAS# 7558-79-4: WC4500000 CAS# 10039-32-4: TC5725000 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.

CAS# 10039-32-4.

Carcinogenicity:

Sodium phosphate dibasic, anhydrous - Not listed by ACGIH, IARC, or NTP.

Sodium phosphate dibasic, dodecahydrate - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

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12. Ecological Information

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13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

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14. Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

15.Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 10039-32-4: 1

Canada

CAS# 10039-32-4 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 10039-32-4 is not on the TSCA Inventory because it is a hydrate.

It is considered to be listed if the CAS number for the anhydrous form

is on the inventory (40CFR720.3(u)(2)).

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16. Other Information

Yonghua Chemical Co., Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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