

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium phosphate monobasic dihydrate**CAS No.:** 13472-35-0**Version:** 1**1. Identification**

Product Code : 90048, 90563,91553
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2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
SODIUM PHOSPHATE MONOBASIC DIHYDRATE	13472-35-0	98-100 %

3. Hazards Identification

Hazard classification : Not classified
Labels elements
Hazard symbol : No symbol
Signal word : No signal word.
Hazard statement : Not Applicable.
Precautionary statement : Not Applicable.
Prevention : Wash hands thoroughly after handling.
Other hazards which do not result in GHS classification : None.

4. First Aid Measures

General information : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
Ingestion : Rinse mouth thoroughly.
Inhalation : Move to fresh air. Get medical attention if symptoms occur.
Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Wash contaminated clothing

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before reuse.

- Eye contact** : Flush thoroughly with water. If irritation occurs, get medical assistance.
- Most important symptoms/effects, acute and delayed** : May cause irritation to skin, eyes, and respiratory tract.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

5. Fire fighting measures

- General fire hazards** : In case of fire and/or explosion do not breathe fumes.
- Suitable (and unsuitable) extinguishing media**
- Suitable extinguishing media** : Use fire-extinguishing media appropriate for surrounding materials.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : Fire may produce irritating, corrosive and/or toxic gases.
- Special protective equipment and precautions for firefighters**
- Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
- Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Methods and material for containment and cleaning up** : When dealing with a spillage, please consult the section relating to suitable protective measures. Shovel up and place in a container for salvage or disposal. Clean surface thoroughly to remove residual contamination.
- Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

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Environmental precautions : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling : Avoid generation and spreading of dust. Avoid prolonged or repeated breathing of dust. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities : Keep container tightly closed. Store in a well-ventilated place.

8. Exposure Controls Personal Protection**Control parameters**

Occupational exposure limits : None of the components have assigned exposure limits

Appropriate engineering controls : No data available.

Individual protection measures, such as personal protective equipment

General information : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection : Chemical resistant gloves .

Other : Wear suitable protective clothing.

Respiratory protection : During dust-raising work: Dust mask .

Hygiene measures : Provide eyewash station and safety shower. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

9. Physical and Chemical Properties

Appearance : White Solid Crystalline Powder .

Odor : Odorless

pH : No data available.

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Melting point/freezing point	: 60 °C
Initial boiling point and boiling range	: No data available.
Flash Point	: Not applicable
Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: 1.92 (20 °C)
Solubility in water	: No data available.
Solubility (other)	: No data available.
Formula	: H3O4P.2H2O.Na
Molecular Weight	: 155.99 g/mol

10. Stability and Reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Material is stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Contact with acids. Heat, sparks, flames. Contact with incompatible materials.
Incompatible materials	: Oxidizing agents.
Hazardous decomposition products	: Oxides of phosphorus Sodium oxides .

11. Toxicological Information**Information on likely routes of exposure**

Ingestion	: May be harmful if swallowed.
Inhalation	: May be harmful if inhaled.
Skin contact	: May cause irritation.
Eye contact	: May irritate eyes.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product	: LD 50 (Rat): 8,290 mg/kg
Dermal Product	: LD 50 (Rabbit): > 7,940 mg/kg
Inhalation Product	: No data available

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Repeated dose toxicity Product	:	No data available.
Skin corrosion/irritation Product	:	May cause skin irritation.
Serious eye damage/eye irritation Product	:	May irritate eyes.
Respiratory or skin sensitization Product	:	Not a skin sensitizer.
Carcinogenicity Product IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE	:	This substance has no evidence of carcinogenic properties.
US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE	:	No carcinogenic components identified.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 Germ cell mutagenicity	:	No carcinogenic components identified.
In vitro Product	:	No mutagenic components identified.
In vivo Product	:	No mutagenic components identified.
Reproductive toxicity Product	:	No components toxic to reproduction.
Specific target organ toxicity - single exposure Product	:	No data available.
Specific target organ toxicity - repeated exposure Product	:	No data available.
Aspiration hazard Product	:	Not classified.
Other effects	:	None known.

12. Ecological Information**Ecotoxicity****Acute hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Chronic hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Toxicity to Aquatic Plants** : No data available.**Product:****Persistence and degradability****Biodegradation Product** : There are no data on the degradability of this product.**BOD/COD ratio Product** : No data available.

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium phosphate monobasic dihydrate**CAS No.:** 13472-35-0**Version:** 1**Bioaccumulative potential****Bioconcentration factor (BCF)** : No data available on bioaccumulation.**Product****Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil** : No data available.**Other adverse effects** : No data available.**13. Disposal consideration****Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not regulated.		
IMDG			Not regulated.		
IATA			Not regulated.		

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

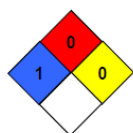
16. Other Information**NFPA Hazard ID**

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Red	Flammability
Blue	Health
Yellow	Reactivity
White	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe **Issue**

Date :10/09/2016

Version : 1

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