

Section 1: Identification

Product Name: Sodium Hypophosphite monohydrate
CAS Number: 10039-56-2

Relevant identified uses of the substance or mixture:

Identified uses: Laboratory chemicals, Industrial & for professional use only.

Details of the supplier of the safety data sheet:

Company: Neemcco
264/9, Panchshil, Sion W
Mumbai 400031, India

Telephone: +91 9820039043

Email: office@neemcco.com

Section 2: Hazard(s) Identification

Hazard Classification: Not classified as hazardous under GHS

Signal Word(s): None

Hazard Statements: This product does not meet the criteria for classification according to OSHA or GHS.

Precautionary Statements: Standard precautionary measures for safe handling of non-hazardous materials.

Section 3: Composition/ Information on Ingredients

Synonyms : Sodium Hypophosphite monohydrate

Formula : NaH₂PO₂.H₂O

Chemical Name	Synonym	CAS#
Sodium Hypophosphite monohydrate		10039-56-2

Section 4: First-Aid Measures

After skin contact: Wash off with soap and water for at least 15 minutes.

After eye contact: Immediately flush eyes with plenty of water for at least 20 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses if present and easy to do. Seek medical attention.

After inhalation: Fresh air. Call in the physician.

After swallowing: Rinse mouth with water and call a physician immediately.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-Fighting Measures

Suitable extinguishing media: Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing media: No limitations on extinguishing agents are given for this substance/mixture.

Special hazards arising from the substance or mixture: May produce oxides of phosphorus and sodium in fire conditions

Advice for firefighters: Wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions: Avoid dust formation; avoid breathing vapors, mist, or gas.

Measures for environmental protection: Do not let the product enter drains.

Measures for cleaning/collecting: Sweep up and place in a suitable container for disposal.

Section 7: Handling and Storage

Handling: Use appropriate ventilation; avoid dust formation.

Storage: Store in a dry, well-ventilated area. Keep the container tightly closed. Hygroscopic material.

Section 8: Exposure Controls/Personal Protection

Control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye/face protection: Safety goggles

Skin protection: Use gloves, typically nitrile

Respiratory protection: Use N95 or equivalent mask in dusty environments

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium Hypophosphite monohydrate	Not available	Not available	Not available	Not available

Section 9: Physical and Chemical Properties

Form: Liquid

Odor: No data available

Odor threshold: No data available

pH: 6.0 - 8.0 (at 25C)

Melting point/melting range: No data available

Boiling point/boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Auto ignition temperature: Not applicable

Danger of explosion: Not classified as explosive.

Vapor pressure: No data available

Vapor density: No data available

Density: 1.25 - 1.35 g/cm³

Solubility in/Miscibility with water: Soluble

Section 10: Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Do not heat over: 200°C, the self-accelerating decomposition temperature can liberate phosphine gas.

Incompatible materials: Strong acids and oxidizing agents.

Hazardous decomposition products: Oxides of phosphorus and sodium.

Section 11: Toxicological Information

Acute toxicity : LD50 Oral (rat) - no data available

Dermal: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No component is identified as a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Section 12: Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: No data available

Section 13: Disposal Considerations

Product:

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Section 14: Transport Information

DOT: Not classified as dangerous goods.

IMDG: Not classified as dangerous goods.

IATA: Not classified as dangerous goods.

Section 15: Regulatory Information

US Federal Regulations:

SARA Section 304 (extremely hazardous substances): This material does not contain any components with a section 304 EHS RQ.

SARA Section 313 (specific toxic chemical listings): This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

No known OSHA hazards.

Section 16: Other Information

NEEMCCO provides the information contained in this SDS in good faith but makes no representation as to its comprehensiveness or accuracy. While the information is believed to be correct as of the date of this document, it is not exhaustive and should be used solely as a guideline for appropriate safety precautions. This document is intended only as a guide to appropriate precautionary handling of the material by properly trained persons using this product.

NEEMCCO and its affiliates shall not be held liable for any damage resulting from handling or contact with the product.

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