

Section 1: Identification

Product Name: Nickel hypophosphite hexahydrate
CAS Number: 13477-97-9

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:**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, oral,(Category 4), H302

Skin corrosion/irritation,(Category 2), H315

Serious eye damage/eye irritation,(Category 2A), H319

Specific target organ toxicity, single exposure; Respiratory tract irritation,(Category 3), H335



Signal Word(s): warning

Hazard Statements:

H302 Harmful if swallowed H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Section 3: Composition/ Information on Ingredients

Synonyms : Nickel hypophosphite hexahydrate

Formula : $\text{Ni}(\text{H}_2\text{PO}_2)_2 \cdot 6\text{H}_2\text{O}$

Molecular weight : 292.73 g/mol

Chemical Name	Synonym	CAS#	Conc.
Nickel hypophosphite hexahydrate		13477-97-7	>99%

Section 4: First-Aid Measures

After skin contact: Wash off with soap and plenty of water. Consult a physician.

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

After inhalation: If breathed in, move the person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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: Use 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: Carbon oxides, nitrogen oxides (NO_x), Hydrogen bromide gas

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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

Measures for cleaning/collecting: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Room Temperature. Inert atmosphere.

Section 8: Exposure Controls/Personal Protection

Control parameters: Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Nickel hypophosphite hexahydrate	Not available	Not available	Not available	Not available

Section 9: Physical and Chemical Properties

Form: Solid crystalline powder

Odor: No data available

Odor threshold: No data available

pH: No data available

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: No data available

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: No information available

Incompatible materials: No data available

Hazardous decomposition products: no data available

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Section 11: Toxicological Information

Acute toxicity : 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, IMDG, IATA: Not classified as dangerous goods.

Section 15: Regulatory Information

US Federal Regulations: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: No components are subject to the Right to Know Act.

New Jersey Right To Know Components: No components are subject to the Right to Know Act.

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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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