



Section 1. Product and Company Identification

Product Name Sodium Hypophosphite Solution

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

(914) 654-6800 (914) 654-6899

parchem.com info@parchem.com

EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements: None

OSHA Hazards: No known OSHA hazards

HMIS Classification

Health: 0

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 3. Composition / Information on Ingredients

Common Name Sodium Hypophosphite Solution

Formula $H_2NaO_2P \cdot H_2O$



Section 4. First Aid Measures

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin contact: Wash off with soap and plenty of water.

Eye contact: Flush eyes with water as a precaution. Palm - Sodium Hypophosphite Solution

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5. Firefighting Measures

Conditions of flammability: Not flammable or combustible.

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

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products: Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus, Sodium oxides. Do not heat over: 200°C, the self-accelerating decomposition temperature can liberate phosphine gas.

Section 6. Accidental Release Measures

Personal precautions: Avoid breathing vapors, mist, or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8. Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand 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.

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

Skin and body protection: Impervious clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: General industrial hygiene practice.

Section 9. Physical and Chemical Properties

Appearance

Form: Liquid

Color: no data available

Safety data

pH: 6.0 - 8.0

Melting point/freezing point: no data available

Boiling point: 100°C (212°F)

Flash point: no data available

Ignition temperature: no data available

Auto-ignition temperature: no data available

Lower explosion limit: no data available

Upper explosion limit: no data available

Vapor pressure: no data available

Density: 1.20 - 1.40 g/cm³

Water solubility: soluble

Partition coefficient (n-Octanol/water): no data available

Relative vapor density: no data available

Odor: no data available

Odor Threshold: no data available

Evaporation rate: no data available

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: no data available

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

Materials to avoid: Strong acids, Oxidizing agents

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus, Sodium oxides

Other decomposition products: no data available



Section 11. Toxicological Information

Acute toxicity

Oral LD50: no data available

Inhalation LC50: no data available

Dermal LD50: no data available

Other information on acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity

IARC: No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: 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

Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information

RTECS: Not 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
PBT and vPvB assessment: no data available
Other adverse effects: no data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15. Regulatory Information

OSHA Hazards: No known OSHA hazards
SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: 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.
SARA 311/312 Hazards: No SARA Hazards

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

Pennsylvania Right to Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium hypophosphite monohydrate	10039-56-2	

New Jersey Right to Know Components

CAS-No.	Revision Date	
Water	7732-18-5	
Sodium hypophosphite monohydrate	10039-56-2	



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

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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