
Division of Hypophosphite & Co
264/9, Panchshil, Sion (west)
Mumbai-400022, India
Tele : 91-22-22051070
 : 91-22-24072148
Fax : 91-22-66332450
E.mail : neemcco@vsnl.com

OF MAGNESIUM HYPOPHOSPHITE HEXAHYDRATE.

Session 1: Identification of the Substance

Product : Magnesium hypophosphite hexahydrate
Formula : $Mg(H_2PO_2)_2 \cdot 6H_2O$
Molecular Weight : 262.38
Manufacturer : NEEMCCO

Session 2: CAS Number

CAS No : 10377-57-8

Session 3: Composition/Information on Ingredients

3.1 Substances

Molecular Formula : $Mg(H_2PO_2)_2 \cdot 6H_2O$
Molecular Weight : 262.38

Component		Concentration
Magnesium hypophosphite hexahydrate		
CAS-No.	10377-57-8	
EC-No.	233-824-6	

Session 4: First Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of immediate medical attention and special treatment needed

No data available

Session 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing

Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Precautions for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see Section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. 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.

Recommended Storage Temperature : Store below 30°C

7.3 Specific end uses

No data available

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

Personal protective equipment Hygiene measure.

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands face after working with the substance

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific work place.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK(EN 14387) respirator cartridges as a backup to the engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White crystals or powder
Odour	No data available
Odour Threshold	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/Water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

- 10.4 Conditions to avoid**
No data available
- 10.5 Incompatible materials**
Strong oxidizing agents
- 10.6 Hazardous decomposition products**
Other decomposition products - No data available
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Section 11: Toxicological Information

- 11.1 Information on toxicological effects Acute toxicity**
No data available
- 11.2 Skin corrosion/irritation**
No data available
- 11.3 Serious eye damage/eye irritation**
No data available
- 11.4 Respiratory or skin sensitisation**
No data available
- 11.5 Germ cell mutagenicity**
No data available
- 11.6 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.
- 11.7 Reproductive toxicity**
No data available
- 11.8 Specific target organ toxicity- single exposure**
No data available
- 11.9 Aspiration hazard**
No data available
- 11.10 Potential Health Effects Inhalation**
Refer Section 2
- 11.11 Skin**
Refer Section 2
- 11.13 Eyes**
Refer Section 2
- 11.14 Ingestion**
Refer Section 2
- 11.15 Additional Information**
RTECS : Not Available
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Section 12: Ecological Information

- 12.1 Toxicity**
No data available
- 12.2 Persistence and degradability**
No data available
- 12.3 Bioaccumulative potential**
No data available
- 12.4 Mobility in soil**
No data available
- 12.5 PBT and vPvB assessment**
No data available
- 12.6 Other adverse effects**
No data available
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Section 13: Disposal Considerations

- 13.1 Waste treatments methods Product**
Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose of this material.
- 13.2 Contaminated packaging.**
Dispose of as unused product.
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Section 14: Transport Information

- 14.1 UN-No.**
ADR/RID: - IMDG: - IATA: -
- 14.2 UN proper shipping name**
ADR/RID : no dangerous goods
IMDG : no dangerous goods
IATA : no dangerous goods
- 14.3 Transport hazard class(es)**
ADR/RID: - IMDG: - IATA: -
- 14.4 Packaging group**
ADR/RID: - IMDG: - IATA: -
- 14.5 Environmental hazards**
ADR/RID: No IMDG: Marine Pollutant:- IATA: No

14.6 Special precautions for use
No data available

Section 15: Regulatory Information

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

15.1 Safety health and environment regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

No data available

Section 16: Disclaimer

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