



WEST BENGAL CHEMICAL INDUSTRIES LIMITED
145/1, Jessore Road, Lake Town,
Kolkata – 700 089, India.
Phone: +9133 4025 1700 Fax: +9133 2574 7410
Email: wbcil@wbcil.com Website:
www.wbcil.com

Section 1 - Chemical Product and Company Identification

IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifiers

Product name : Magnesium Ascorbate
Product Code : MASNL15

Details of the supplier of the safety data sheet

Mailing Address : West Bengal Chemical Industries Limited, 145 / 1, Jessore Road, Lake Town, Kolkata – 700 089, West Bengal, India.
Phone: +91 33 4025 1700 Fax: +91 33 2574 7410
Email: wbcil@wbcil.com Website: www.wbcil.com

Section 2 - Composition / Information on Ingredients

| Ingredient Name | CAS Number | % wt |
|---------------------|------------|------|
| Magnesium Ascorbate | 15431-40-0 | 100 |

Section 3 - Hazards Identification

| | | |
|------------------|---|--|
| INHALATION | : | May cause respiratory irritation |
| INGESTION | : | May cause gastrointestinal irritation |
| SKIN CONTACT | : | May cause skin irritation |
| EYE CONTACT | : | May cause eye irritation |
| CHRONIC EXPOSURE | : | No known significant effects or critical hazards |

Section 4 - First Aid Measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled : Remove the person from exposure.
Transfer promptly to a medical facility.
In case of skin contact : Remove contaminated clothing and wash contaminated skin with soap and water.
In case of eye contact : Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.
If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Fire-Fighting Measures

Suitable extinguishing media : Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
Special protective equipment for fire-fighters : Fire fighters should use self-contained breathing equipment and protective clothing like gloves made of rubber, safety goggles for protecting the eyes etc.





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Section 6 - Accidental Release Measures

| | | |
|--------------------------|---|--|
| SPILL CONTROL & RECOVERY | : | Wear appropriate personal protective equipment as specified in Section 8. Clean up spills in a manner that does not disperse dust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container |
| DISPOSAL | : | Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. |

Section 7 - Handling and Storage

| | | |
|----------|---|--|
| HANDLING | : | Avoid contact with eyes. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. |
| STORAGE | : | Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightly closed and sealed until ready for use. |

Section 8 - Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams.

Hand protection

Washing of hands with sanitizer is necessary to get rid of contamination.

Eye protection

Wear eye protection with side shields or goggles. Also wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Skin and body protection

Avoid skin contact with Magnesium. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.

Hygiene measures

All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.





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Section 9 - Physical and Chemical Properties

Appearance Form

| | |
|---------------------------|--------------------------|
| Form | : Powder |
| Color | : Off-white to yellowish |
| pH (of a 2% w/v solution) | : 2.5 – 4.0 |
| Melting point | : Not available. |
| Boiling point | : Not available. |
| Flash point | : Not available. |
| Ignition Temperature | : Not available. |
| Lower explosion limit | : Not available. |
| Upper explosion limit | : Not available. |
| Water solubility | : Soluble. |

Section 10 - Stability and Reactivity

Chemical stability

Stable under normal temperature and pressure.

Conditions to avoid

Use of explosive electrical equipment and fittings of Magnesium wherever used are to be avoided.

Materials to avoid

Sources of ignition, such as smoking and open flames, are prohibited where Magnesium is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Hazardous decomposition products-

Not Known.

Section 11 - Toxicological Information

| | |
|--|--|
| Acute toxicity | No data available. |
| Skin corrosion/irritation | Can irritate the skin and eyes when in contact. |
| Serious eye damage/eye irritation | No data available. |
| Respiratory or skin sensitization | Magnesium can irritate the eye, throat and lungs causing tightness in the chest and/or difficulty in breathing. |
| Germ cell mutagenicity | No data available. |
| Carcinogenicity | Magnesium has not been tested for its ability to cause cancer in humans and animals according to the information presently available to the New Jersey Department of Health. |
| Reproductive toxicity | Magnesium has not been tested for its ability to affect reproduction. |
| Specific target organ toxicity - single exposure | Contact can irritate the skin and eyes. |
| Specific target organ toxicity - repeated exposure | Exposure to Magnesium may cause "metal fume fever." This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. |





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Aspiration hazard
Potential health effects
Inhalation

The symptoms may be delayed for several hours after exposure and usually last for a day or two.
No data available.

Ingestion

Inhaling Magnesium can irritate the nose, throat and lungs causing tightness in the chest and/or difficulty in breathing.

Skin

Ingesting magnesium leads to accumulation of magnesium in the body. This will cause an upset stomach.

Eyes

Contact can irritate the skin and eyes.

Contact can irritate the skin and eyes.

Exposure to Magnesium may cause “metal fume fever.” This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Section 12 - Ecological Information

Toxicity

Toxicity to fish

No Information found.

Toxicity to daphnia and other aquatic invertebrates.

No Information found.

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

Product

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Contaminated packaging

Dispose of as unused product.





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Section 14 - Transport Information

| | | |
|--|---|---|
| D O T Classification | : | Not a DOT controlled material |
| Air transport Goods | : | Nonhazardous/non dangerous as per IATA DGR. |
| Special Provision for Transport | : | Not applicable |
| IATA Specification | : | Non-dangerous, non-hazardous |
| DOT (Pictograms) | | |
| AS PER IATA REGULATION SAFE FOR CARRAGE, NON-HAZARDOUS AND NON-RESTRICTED. | | |
| NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED. | | |
| THIS IS NOT REGULATED AS PER IATA REGULATION | | |



Section 15 - Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Ferric pyrophosphate
Other Regulations: Not available.
Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC): R36/38- Irritating to eyes and skin.
HMIS (U.S.A.): Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 0.
Reactivity: 0
Specific hazard:
Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16 - Other Information

Disclaimer: This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

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Revision No.: 00

