

| Magnesium Phosphate Dibasic |
|-----------------------------|
| CAS No 7782-75-4 |

MATERIAL SAFETY DATA SHEET SDS/MSDS

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

1.1 Product identifiers

| | Product name | : Magnesium Phosphate Dibasic | |
|-----|---|---|--|
| | CAS-No. | : 7782-75-4 | |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | | |
| | Identified uses | : Laboratory chemicals, Industrial & for professional use only. | |
| 1.3 | Details of the supplier of the safety data sheet | | |
| | Company | : Pallav Chemicals & Solvents Pvt. Ltd | |

| Company | 253, Shiv Shakti Industrial Estate, Opp Mittal Estate Andheri Kurla Road, Andheri (E), Mumbai - 400050 INDIA |
|-----------|--|
| Telephone | : +91 22 4928 4000 |
| Email | : sales@pallavchemicals.com |

1.4 Emergency telephone number

Emergency Phone # : +91 22 4928 4000 (9:00am - 6:00 pm) [Office hours]

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

Caution - substance not yet tested completely.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Synonyms | : Magnesium hydrogen phosphate |
|----------|--------------------------------|
| Formula | : HMgO4P · 3H2O |

| Molecular Weight | : 174,34 g/mol |
|------------------|----------------|
|------------------|----------------|

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

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

- **4.2** Most important symptoms and effects, both acute and delayed To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- 4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING 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 Oxides of phosphorus, Magnesium oxide
- **5.3** Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.
- 5.4 Further information no data available

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.
- 6.2 Environmental precautions Do not let product enter drains.
- **6.3** Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.
- **6.4 Reference to other sections** For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.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.
- 7.3 Specific end uses no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls General industrial hygiene practice.

Personal protective equipment

Eye/face protection

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| a) | Appearance | Form: powder Colour: white |
|-----|--|-------------------------------|
| b) | Odour | no data available |
| c) | Odour Threshold | no data available |
| d) | рН | no data available |
| e) | Melting point/freezing point | no data available |
| f) | Initial boiling point and boiling range | no data available |
| g) | Flash point | not applicable |
| h) | Evaporation rate | no data available |
| i) | Flammability (solid, gas) | no data available |
| j) | Upper/lower flammability or explosive limits | no data available |
| k) | Vapour pressure | no data available |
| I) | Vapour density | no data available |
| m) | Relative density | 2,123 g/cm3 at 25 °C |
| n) | Water solubility | no data available |
| o) | Partition coefficient: n- octanol/water | no data available |
| p) | Autoignition | no data available |
| | temperature | |
| q) | Decomposition temperature | no data available |
| r) | Viscosity | no data available |
| s) | Explosive properties | no data available |
| t) | Oxidizing properties | no data available |
| Oth | er safety information | |

9.2

no data available

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity no data available

Skin corrosion/irritation no data available

Serious eye damage/eye irritation 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.

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

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.

Additional Information

RTECS: Not available

| 12. | ECOLOGIO | CAL INFORMATION | | | |
|------------------------------|--|--|----------------|---|--------------------|
| 12.1 | Toxicity no data ava | ailable | | | |
| 12.2 | Persistence no data ava | and degradability | | | |
| 12.3 | Bioaccumulative potential no data available | | | | |
| 12.4 | Mobility in soil no data available | | | | |
| 12.5 | | Results of PBT and vPvB assessment no data available | | | |
| 12.6 | Other adve no data ava | | | | |
| 13. | DISPOSAL | CONSIDERATIONS | | | |
| 13.1 \ | Naste treatm | ent methods | | | |
| | Product Offer surplus and non-recyclable solutions to a licensed disposal company. | | | | |
| | Contaminated packaging Dispose of as unused product. | | | | |
| 14. | TRANSPO | RT INFORMATION | | | |
| 14.1 | UN numbe | | | | |
| | | r | | | |
| | ADR/RID: | r - | IMDG: | - | IATA: - |
| | ADR/RID: UN proper | - shipping name Not dangerous goods | IMDG: | - | IATA: - |
| 14.2 | ADR/RID: UN proper ADR/RID: IMDG: IATA: Transport | - shipping name Not dangerous goods Not dangerous goods | | | |
| 14.2 14.3 | ADR/RID: UN proper ADR/RID: IMDG: IATA: Transport ADR/RID: | - shipping name Not dangerous goods Not dangerous goods Not dangerous goods hazard class(es) - | IMDG: IMDG: | | IATA: - |
| 14.2 14.3 14.4 | ADR/RID: UN proper ADR/RID: IMDG: IATA: Transport ADR/RID: Packaging ADR/RID: | - shipping name Not dangerous goods Not dangerous goods Not dangerous goods hazard class(es) - group | | - | |
| 14.2 14.3 14.4 | ADR/RID: UN proper ADR/RID: IMDG: IATA: Transport ADR/RID: Packaging ADR/RID: | - shipping name Not dangerous goods Not dangerous goods Not dangerous goods hazard class(es) - group - ental hazards | IMDG: IMDG: | - | IATA: - |
| 14.2 14.3 14.4 14.5 | ADR/RID: UN proper ADR/RID: IMDG: IATA: Transport ADR/RID: Packaging ADR/RID: Environme ADR/RID: r | - shipping name Not dangerous goods Not dangerous goods hazard class(es) - group - ental hazards to ecautions for user | IMDG: IMDG: | - | IATA: - IATA: - |

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

15.2 Chemical Safety Assessment no data available

16. OTHER INFORMATION

Further information

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. Pallav Chemicals & Solvents Pvt. Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.pallavchemicals.com for additional terms and conditions of sale.