

FICHA TÉCNICA

Sal Epsom (Grano Grueso)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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|--------------------------------------|---------------------------------|
| Chemical Name | Magnesium Sulphate Heptahydrous |
| Epsom Salt | |
| MgSO ₄ ·7H ₂ O | |

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | MgSO ₄ % | EC-No | Sym bol(s) | R-phras(e)s |
|---------------------------------|---------------------|-------|------------|-------------|
| Magnesium Sulphate Heptahydrous | 48-49 | N/A | N/A | N/A |

3. HAZARDS IDENTIFICATION

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|---------------------------|--|
| Physical/Chemical hazards | Low. |
| Environmental hazards | Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. |
| Human health hazards | Low. |

4. FIRST AID MEASURES

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| Effects and symptoms | |
| Ingestion | Acts as a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis. |
| Inhalation | Not applicable. |
| Skin contact | No significant effects. |
| Eye contact | Mild eye irritation may result. |
| First aid measures | |
| Ingestion | Rinse mouth with plenty of water. Drink plenty of water. Consult a physician if necessary. |
| Inhalation | Not applicable. |
| Skin contact | Wash off immediately with soap and plenty of water. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. |

5. FIRE-FIGHTING MEASURES

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| Flammability | Non-Flammable. |
| Suitable extinguishing media | |
| Suitable 2 | Water, dry powder, foam, carbon dioxide (CO ₂). |
| Not suitable | |
| Hazardous decomposition products | Heating to dryness will produce obnoxious and toxic fumes. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |

6. ACCIDENTAL RELEASE MEASURES

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|---------------------------|---|
| Personal precautions | Rubber or plastic gloves. |
| Environmental precautions | No special environmental precautions required. |
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Rinse affected area with plenty of water. |

7. HANDLING AND STORAGE

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|-----------------------------|---|
| Storage / Handling | No special storage conditions required. |
| Packaging Material Suitable | Polyethylene containers, paper bags. |
| Not Suitable | |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---------------------------------------|----------------------------------|
| National Occupational Exposure limits | Not applicable. |
| Chemical Name | |
| OEL (United Kingdom) | |
| Recommended monitoring procedures | |
| Personal protection equipment | |
| Respiratory protection | |
| Skin and body protection | Lightweight protective clothing. |
| Hand protection | Rubber or plastic gloves. |
| Eye protection | Safety glasses. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|------------------------|
| Form | solid. |
| Colour | White powder |
| Odour | No odour |
| Molecular weight | 246.452 |
| Boiling Point / range | |
| Melting point / range | |
| Freezing point | |
| Decomposition | |
| temperature Bulk Density | 1.0 |
| PH | 8-6 |
| Solubility | 8 Completely miscible. |

10. STABILITY AND REACTIVITY

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|----------------------------------|---|
| Stability | Stable. |
| Hazardous decomposition products | Oxides of Sulphur (if heated to dryness). |

11. TOXICOLOGICAL INFORMATION

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|---|---|
| Main Constituent(s) | Magnesium Sulphate Heptahydrous |
| Acute toxicity | |
| Oral Human, Oral TDLo: | 428mg/kg. Leads to muscle weakness. Acts as a laxative. |
| Oral, Mouse LDLo : | 5g/kg. |
| Inhalation | |
| Skin irritation | Low. |
| Eye irritation | Mild eye irritation. |
| Mutagenicity Mutation data reported for the anhydrous salt. | No information available for the solution. |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------------|---|
| Persistence and degradability | Not Biodegradable. |
| Ecotoxicity effects | No information available. Ecotoxicity believed to be low. |

13. DISPOSAL CONSIDERATIONS

Methods of disposal In accordance with local and national regulations.
Other Information

14. TRANSPORT INFORMATION

UN-No Not applicable.
IMDG/ADR Class Not classified as dangerous in the meaning of transport regulations.
UN Packing group

15. REGULATORY INFORMATION

EC Regulations
EC Classification (67/548/EEC-88/379/EEC - 92/32/EEC) Not applicable.
Label name MAGNESIUM SULPHATE HEPTAHYDROUS
R-phrases(s)
S-phrases(s)
Symbols

16. OTHER INFORMATION

History
Date of issue 10/6/2003 Previous Revision 1
Revision Number 2 Date Previous SDS 8/06/2002
SDS prepared by RZ
SDS revised by RZ
* Denotes changes from last revision