

AKÖMA™

FROM THE HEART

Material Safety Data Sheet

EU Regulation: 1907/2006

| SECTION 1: Identification of the substance/mixture and of the company/undertaking | | | | | |
|---|--|---------------|-----------|-------------------|-----------|
| 1.1 Product Identification | | | | | |
| Product Name | Epsom Salt | | | | |
| Application | For external/ cosmetics use only | | | | |
| INCI Name | Magnesium Sulphate | | | | |
| Synonyms & Trade Names | Epsom Salt | | | | |
| CAS-No | 7487-88-9 | EC No. | 231-298-2 | EINECS No. | 231-298-2 |
| 1.2 Details of the supplier of the safety data sheet | | | | | |
| Company Address | Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS United Kingdom Tel: +44 (0) 1332 613 967 | | | | |
| Email | technical@akoma.biz | | | | |
| 1.3 Details of the supplier of the safety data sheet | | | | | |
| Emergency Contacts | Mr. Wynn Mensah – Tel: 01332 613 967 | | | | |

| SECTION 2: Hazards Identification | |
|--|---|
| 2.1 Classification of the substance or mixture | |
| Classification (67/548/EEC,1999/45/EC) | Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC. |
| 2.2 Label Elements | |
| GHS Label | Label in accordance with Regulation (EC) No 1272/2008. None. |
| Signal Word | Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. None. |

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

| | |
|------------------------------|-------------------|
| Contains | None. |
| Physical Hazards | Not classified. |
| Health Hazards | Not classified. |
| Environmental Hazards | Not classified. |
| Hazard statements | NC Not classified |

Section 16 (Other Information): Risk & Safety phrases in full.

| | |
|---|--|
| 2.3 Other Hazards | The substance is not classified as PBT or vPvB according to current EU criteria. |
| Adverse physio-chemical properties | None. |
| Adverse effects on human health | None. |

SECTION 3: Composition of Ingredients

| | |
|-----------------------------|---------------------------------|
| 3.1 Substances | |
| Product name | Epsom Salts/ Magnesium Sulphate |
| Composition comments | Purity > 99% |

SECTION 4: First Aid Measures

| | |
|--|---|
| 4.1 Description of First Aid Measures | |
| Inhalation | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. Do not induce vomiting.. FOR EXTERNAL USE ONLY. |
| Skin Contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. |
| Eye Contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| 4.2 Most important symptoms & effects (Acute & Delayed) | |
| Inhalation | Coughing. |
| Ingestion | Stomach pain. Diarrhoea. Nausea, vomiting. |
| Eye Contact | Redness. |
| 4.3 Indication of any immediate medical attention or special treatment required | No specific recommendations. If in doubt, get medical attention promptly. |

SECTION 5: Fire Fighting Measures

| | |
|---------------------------------------|---|
| 5.1 Extinguishing material | The product is not flammable. Water. |
| Unsuitable extinguishing media | Carbon dioxide (CO ₂). Halon. |

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

| | |
|---|---|
| 5.2 Special hazards arising from the substance Or mixture | Irritating gases or vapours. Sulphurous gases (SO _x). |
| 5.3 Advice for fire-fighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |


SECTION 6: Accidental Release Measures

| | |
|--|---|
| 6.1 Personal precautions | Avoid inhalation of dust. Provide adequate ventilation |
| 6.2 Environmental precautions | Do not discharge into drains, water courses or onto the ground. |
| 6.3 Methods & material for containment and cleaning up | Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. |
| 6.4 References to other sections | Collect and dispose of spillage as indicated in section 13. |

SECTION 7: Handling & Storage

| | |
|--|--|
| 7.1 Precautions for safe-handling | Avoid spilling. Avoid skin and eye contact. Avoid handling which leads to dust formation. Provide adequate ventilation. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container |
| 7.3 Specific end use(s) | The application for this product is in section 1.1. External use only. |

SECTION 8: Exposure Controls & Personal Protection

| | |
|---|--|
| 8.1 Control Parameters | No exposure limits known for ingredient(s). |
| 8.2 Exposure Controls | |
| Protective equipment |  |
| Appropriate Engineering controls | Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients. |
| Personal protection | Wear appropriate clothing to prevent reasonably probable skin contact. |
| Eye/face Protection | Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated. Personal protective equipment for eye and face protection should comply with European Standard EN166. |
| Hand Protection | Chemical resistant gloves require for prolonged or repeated contact. To protect hands from chemicals, gloves should comply with European Standard EN374. |
| Respiratory Equipment | No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a suitable dust mask. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. |
| Hygiene Measures | Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat drink or smoke. |

SECTION 9: Physical & Chemical Properties

| | |
|---|--|
| 9.1 Physical & Chemical Properties | |
| Appearance | Powder. |
| Colour | White |
| Odour | Odourless. |
| pH | pH (diluted solution): 8 @ 25°C |
| Melting point | 1130°C |
| Initial boiling point and range | Not applicable. The sample decomposes before boiling point |
| Other flammability | This product is not flammable. |
| Relative density | 1.67 @ 20°C |
| Solubility(ies) | 342 g/l water @ 20°C Soluble in water. Soluble in the following materials: Alcohols |
| Explosive properties | No considered to be explosive |
| Oxidising properties | Does not meet the criteria for classification as oxidising. |
| 9.2 Other Information | NO DATA. |
| Molecular weight | 120.4 |

SECTION 10: Stability & Reactivity

| | |
|--|---|
| 10.1 Reactivity | There are no known reactivity hazards associated with this product. |
| 10.2 Chemical stability | Stable under suggested storage conditions. |
| 10.3 Possibility of hazardous reactions | Hazardous Polymerisation Will not polymerise. |
| 10.4 Conditions to avoid | Avoid excessive heat for prolonged periods of time. Water, moisture |
| 10.5 Incompatible materials | None known. |
| 10.6 Hazardous decomposition products | When heated, vapours/gases hazardous to health may be formed. Sulphurous gases (SO _x) |

SECTION 11: Toxicological Information

| | |
|--|--|
| 11.1 Toxicological effects | |
| Acute toxicity – oral Notes (oral LD50) | REACH dossier information. LD50 > 2000 mg/kg, Oral, Rat Based on available data the classification criteria are not met. |
| Acute toxicity – dermal Notes (dermal LD50) | REACH dossier information. LD50 > 2000 mg/kg, Dermal, Rat Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |

| | |
|---|---|
| Acute toxicity – inhalation Notes (inhalation LC50) | Data lacking. |
| Skin corrosion/Irritation Animal data | REACH dossier information. Not irritating. Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |
| Serious eye damage/irritation | REACH dossier information. Not irritating. Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |
| Skin sensitisation | REACH dossier information. Local Lymph Node Assay (LLNA) – Mouse: Not sensitising. Based on available data the classification criteria are not met. |
| Germ cell mutagenicity | REACH dossier information. Gene mutation: Negative. Based on available data the classification criteria are not met. |
| Carcinogenicity | Data lacking. |
| Reproductive toxicity Reproductive toxicity – fertility | REACH dossier information. No evidence of reproductive toxicity in animal studies. Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |
| Specific target organ toxicity – repeated exposure. STOT – repeated exposure | REACH dossier information. Not classified as a specific target organ toxicant after repeated exposure. |
| Aspiration hazard | Not relevant |
| Inhalation | Dust in high concentrations may irritate the respiratory system. |
| Ingestion | No specific health hazards known. |
| Skin contact | Powder may irritate skin. |
| Eye contact | Particles in the eyes may cause irritation and smarting. |

SECTION 12: Ecological Information

| | |
|---|---|
| Eco toxicity | Not regarded as dangerous for the environment. |
| 12.1 Toxicity | |
| Acute toxicity – fish | REACH dossier information LC50, 96 hour: 680 mg/l, Pimephales promelas (fat-head Minnow) Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |
| Acute toxicity – aquatic Invertebrates | REACH dossier information. Invertebrates EC50, 48 hours; 720 mg/l, Daphnia magna Read-across approach: Potassium sulphate. Based on available data the classification criteria are not met. |
| Acute toxicity – aquatic plants | REACH dossier information. EC50, 18 day: 2700 mg/l, Chlorella vulgaris Read-across approach: Based on available data the classification criteria are not met. |
| 12.2 Persistence & degradability | No Information required. |
| 12.3 Bio- accumulative potential | Bioaccumulation of this product is not expected to occur. |
| 12.4 Mobility in soil | |

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

| | |
|--|--|
| Adsorption desorption coefficient | Substance in inorganic. |
| 12.5 Results of PBT & VPVB assessment | The substance is not classified as PBT or vPvB by current EU criteria. |
| 12.6 Other adverse effects | None known |

SECTION 13: Disposal Information

| | |
|---|---|
| 13.1 Waste treatment methods | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |
|---|---|

SECTION 14: Transport Information

| | |
|--|--|
| 14.1 Transport Information | |
| General | The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). |
| Shipping Name | Not Applicable. |
| UN Number (Road) | Not Applicable. |
| Transport hazard class(es) | Not Applicable. |
| Packing group | Not Applicable. |
| Environmentally Hazardous Substance/Marine Pollutant | No. |
| Special precautions for user | Not Applicable. |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not Applicable. |
| FROM THE HEART | |

SECTION 15: Regulatory Information

| | |
|---|---|
| 15.1 Product specific safety, health & environmental regulations & legislation | |
| EU Legislation | Regulation (EC) no 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). |
| Guidance | Workplace Exposure Limits EH40. |
| 15.2 Chemical Safety Assessment | No Chemical safety assessment has been carried out. <input type="checkbox"/> |

SECTION 16: Other Information

| | |
|---|---|
| General information: | <p>The following information is provided to conform with article 13 of the EC Directive on Packaging and Packaging Waste 94/62/EC:</p> <ul style="list-style-type: none">• Wherever possible we use the returnable packaging and pallets. Details of these are on our Sales Contracts.• For any non-returnable packaging the cost of disposal is at your expense, but we do not have a list of reprocessors available.• In most cases, but not all, we are able to supply products in returnable packaging but the additional cost of this will be for the customer's expense. <p>Please ask for details with your specific requirements.</p> <ul style="list-style-type: none">• Any products supplied in the returnable packaging is clearly marked to this effect. |
| Key literature references and Sources for data | <p>European Chemicals Agency, http://echa.europa.eu/ - REACH disseminated International Chemical Safety Card, www.inchem.org.</p> |

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

AKOMA™
FROM THE HEART

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com