



## **Section 1: Identification of the substance/mixture and of the company/undertaking**

### 1.1. Product identifier

Product Name	MAGNESIUM SULPHATE HEPTAHYDRATE
Product number	M11
REACH reg no	01-2119486789-11-XXXX
CAS-No	7487-88-9
EC No	231-298-2

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Industrial, professional and consumer uses. Fertilisers. Laboratory chemicals. "Leather tanning, dye, finishing, impregnation and care products". Textile dyes. Adhesives. Sealant. Paper treatment. Some grades of substance are available for feed/food use; Feed material. (# 11.2.2)
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Uses advised against	None
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### Known. 1.3. Details of the supplier of the safety data sheet

Company Name	The Soap Kitchen
Address	Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford
Postcode	EX39 3DX
Country	United Kingdom
Tel	+44 (0)1237 420872
Email	it@thesoapkitchen.co.uk
Website	www.thesoapkitchen.co.uk

## **Section 2: Hazards Identification**

### 2.1. Classification of the substance or mixture

Classification Physical	
Hazards Health	Not classified.
Hazards Environmental	Not classified.
Hazards	Not classified.

### 2.2. Label elements

EC No.	231-298-2
Hazard statements	NC Not classified

### 2.3. Other hazards

The substance is not classified as PBT or vPvB according to current EU criteria.

## **Section 3: Composition/information on ingredients**

### 3.1 Substances

Product name	MAGNESIUM SULPHATE HEPTAHYDRATE
REACH reg no	01-2119486789-11-XXXX
CAS No.	7487-88-9
EC No.	231-298-2
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.
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 and effects, both acute and delayed

Inhalation	Coughing.
Ingestion	Stomach pain. Diarrhoea. Nausea, vomiting.
Eye contact	Redness.

### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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## **Section 5: Firefighting**

### **measures** 5.1. Extinguishing

<u>media</u> Suitable extinguishing	The product is not flammable. Water.
<u>media</u> Unsuitable extinguishing	Carbon dioxide (CO <sub>2</sub> ). Halon.

media

### 5.2. Special hazards arising from the substance or mixture

Specific hazards	Irritating gases or vapours. Sulphurous gases (SO <sub>x</sub> ).
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### 5.3. Advice for firefighters

Special protective equipment  
For firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **Section 6: Accidental Release Measures**

### 6.1. Personal precautions, protective equipment and emergency

procedures  
Personal precautions

Avoid inhalation of dust. Provide adequate ventilation.

### 6.2. Environmental precautions

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Methods for 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. Reference to other sections

Reference to other sections

Collect and dispose of spillage as indicated in section 13.

## **Section 7: Handling and**

### **Storage** 7.1. Precautions for safe

handling Usage precautions

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

Usage precautions

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)

Specific end use(s)

The identified uses for this product are in section 1.2.

## **Section 8: Exposure controls / personal**

### **protection** 8.1. Control parameters

Ingredient Comments

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.
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.
Respiratory protection	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.

## **Section 9: Physical and chemical properties**

### **9.1. Information on basic physical and 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**

Oher information	Not available.
Molecular weight	120.4

## **Section 10: Stability and reactivity**

### **10.1. Reactivity**

Reactivity

There are no known reactivity hazards associated with this product.

### **10.2. Chemical Stability**

Stability

Stable under the prescribed storage conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Polymerisation  
Will not polymerise.

### **10.4. Conditions to avoid**

Conditions to avoid  
moisture.

Avoid excessive heat for prolonged periods of time. Water,

### **10.5. Incompatible materials**

Materials to avoid

None known.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products

When heated, vapours/gases hazardous to health may be formed.  
Sulphurous gases (SO<sub>x</sub>)

## **Section 11: Toxicological information**

### **11.1. Information on 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** Ecotoxicity

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.  
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 and degradability

Persistence and Degradability 12.3.

No Information required.

Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation of this product is not expected to occur.

12.4. Mobility in soil

Adsorption desorption coefficient                      Substance in inorganic.

#### 12.5. Results of PBT and vPvB

assessment Results of PBT and vPvB  
assessment

The substance is not classified as PBT or vPvB by current EU criteria.

#### 12.6. Other adverse effects

Other adverse effects

None known.

### **Section 13: Disposal considerations**

#### 13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### **Section 14: Transport information**

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not Applicable.

#### 14.4. Packing group

Not Applicable.

#### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

#### 14.6. Special precautions for user

Not Applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable.

### **Section 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### **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).

15.2. Chemical Safety Assessment

No Chemical safety assessment has been carried out.

**Section 16: Other Information**

## General information

The following information is provided to conform with article 13 of the EC Directive on Packaging and Packaging Waste 94/62/EC:

- 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. Please ask for details with your specific requirements.
- Any products supplied in the returnable packaging is clearly marked to this effect.

Key literature references and dossier.

European Chemicals Agency, <http://echa.europa.eu/> - REACH disseminated

Sources for data

International Chemical Safety Card, [www.inchem.org](http://www.inchem.org).

Revision comments previous revision.

NOTE: Lines within the margin indicate significant changes from the

Revision date

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Revision

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