



Safety Data Sheet

According to Regulation (EC) no. 1907/2006

Product Name

MAGNESIUM DODECYL SULFATE (magnesium lauryl sulfate)

1.0 Chemical product and company identification

1.1 Product Identifier

MSDS Name: MAGNESIUM DODECYL SULFATE 85% - 95%
Substance name: MAGNESIUM DODECYL SULFATE 85% - 95%
CAS No: 3097-08-9
PRODUCT CODE:

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

Use of the Substance / Mixture: Laboratory Chemicals

Recommended restrictions on use: No Information Available

1.3 Details of the supplier of the safety data sheet

Company Identification:
SOLUMETRICS LTD,
UNIT 1B SILEBY ROAD INDUSTRIAL ESTATE. BARROW ON SOAR, LEIC'S. LE12 8LP.
For information call. +44 (0)1509 815348
For emergencies call. +44 (0)1509 815348

2.0 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008

ACUTE INHALATION TOXICITY - DUSTS AND MISTS	CATEGORY 4
SERIOUS EYE DAMAGE/ EYE IRRITATION	CATEGORY 2

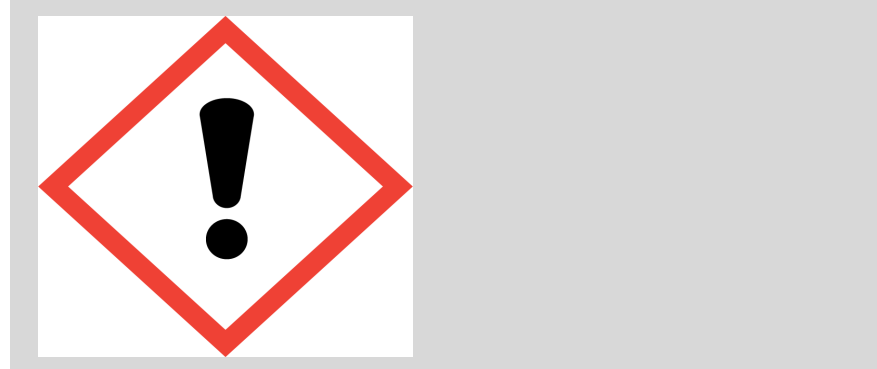
Classification according to EU Directives 67/548/EEC or 1999/45/EC

Symbols Irritant

R - Phrases

Risk Combination Phrases R36/37/38 - Irritating to eyes, respiratory system and skin
 R20/22 - Harmful by inhalation and if swallowed

HAZARDS SYMBOLS



Signal Word: Warning

Hazard Statements:

Hazard Statements:

H335
 H315
 H302
 H332

MAY CAUSE RESPIRATORY IRRITATION
 CAUSES SKIN IRRITATION
 HARMFUL IF SWALLOWED
 HARMFUL IF INHALED

Precautionary statements

P305 + P351 + P338

P261

P301 + P312

P304 + P340

P233

EU (28,1272/2008)

If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do continue rinsing
 Avoid breathing dust/fumes/gas/mist/vapors/spray
 If SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Keep container tightly closed

Hazardous components which must be listed on the label:

At this time we do not yet have information of identified uses. They will be included in the safety data sheets when available

3.0 Composition/ Information on ingredients**3.1 Substances**

EC No	Component	GHSCLAS	Classification
	MAGNESIUM DODECYL SULFATE 85% - 95%	STOT SE3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H302) Acute Tox. 4 (H332)	Xn:R20/22 Xi:R36/37/38

Weight %	CAS No
	3097-08-3

Chemical Nature:

MAGNESIUM DODECYL SULFATE 85% - 95% CAS 3097-08-3

4.0 First Aid measures**4.1 Description of first aid measures****General Advice****If Inhaled:**

Remove person to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

In Case of Skin contact:

Get medical attention as soon as possible. Flush the skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse.

In case of eye contact:

Immediately flush with copious amounts of water for at least 15 minutes occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

If Swallowed:

If swallowed DO NOT induce vomiting unless directed by to do so by medical personnel. DO NOT give anything by mouth to an unconscious person. Get medical assistance.

5.0 FIRE FIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing Media:**

Water Mist, Foam Carbon Dioxide

Un-Suitable extinguishing Media:

No information Available

5.2 Special hazards arising from the substance or mixture**Specific hazards during fire fighting:**

Thermal decomposition can lead to release of irritating gases and vapors

5.3 Advice for fire-fighters**Special protective equipment for fire-fighters:**

Wear a self-contained breathing apparatus in pressure demand, MSHA/NIOS (approved or equivalent) full protective clothing and equipment.

Further Information:

Wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective equipment.

6.0 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****Personal Precautions:**

Ensure adequate ventilation Use personal protective equipment Avoid dust formation

6.2 Environmental precautions:

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases

6.3 Methods and materials for containment and cleaning up:

Sweep or vacuum up material and place in a suitable container for disposal. Clean up spills immediately observing the precautions in the Protective equipment section. Provide adequate ventilation and avoid generating dusty conditions.

Further Information:

Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

7.0 Handling and storage

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimise dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container(s) tightly closed. Avoid ingestion and inhalation.

7.1 Precautions for safe handling**Advice on safe handling:**

Wear personal Protective equipment ensure adequate ventilation do not get in eyes, on skin, or on clothing Avoid ingestion and inhalation avoid dust formation

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Use adequate ventilation to keep airborne concentrations low.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage area containers:**

Store in tightly closed containers in cool dry well ventilated area away from incompatible substances

Advice on Protection Against fire and explosion:

Keep in Dry, Cool and well ventilated place keep in container tightly closed

Further information on storage conditions:

Keep tightly closed in a dry and cool place. Keep in well ventilated place.

Advice on common storage:

Keep away from food, drink and animal feeding stuffs.

8.0 Exposure controls/ personal protection**8.1 Control parameters**

MAGNESIUM DODECYL SULFATE 85% - 95%

This product, as supplied does not contain and hazardous material with occupational exposure limits established by the region specific regulatory bodies.
3097-08-3

Regulatory Basis
Regulatory List
Value Type
Value

UK. EH40 Workplace Exposure Limits (WELs)
EH40 WEL

8.2 Exposure controls**Engineering measures**

Ensure that eyewash stations and safety showers are close to the workstation location ensure adequate ventilation, especially in confined areas.

Refer to protective measures listed in sections 7 and 8

Personal protective equipment**Respiratory protection****Advice:**

Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standards EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hand Protection**Advice:**

Wear suitable protective clothing, gloves check for compatibility with the manufacturers' guidelines to prevent skin exposure
Wear appropriate protective clothing to prevent skin exposure.

Eye Protection**Advice:**

Tightly fitting safety goggles
Wear appropriate protective eyeglasses or chemical safety goggles or full face protection. (European standard EN166).

Skin and Body Protection**Advice:**

The selection of personal protective equipment and procedures for use should be based on the work place risk assessment and local legislation. Respiratory protective equipment and gloves etc should be changed at regular intervals as specified in the work place risk assessment and in accordance with the manufacturer's information.

Environmental exposure controls**General advice**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities for such cases

9.0 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form
Colour
Odour
Odour Threshold
PH
Freezing Point

Powder
White
No Odour
No Data Available
No Data Available
No Data Available

Boiling Point	No Data Available
Flash Point	No Data Available
Density	No Data Available
Water solubility	Freely Soluble
Ignition Temperature	No Data Available
Molecular Formula	No Data Available
Molecular Weight	No Data Available
Oxidizing Properties	No Data Available

10.0 Stability and reactivity**10.1 Reactivity**

No Data Available

10.2 Chemical stability

This Product is Stable under normal conditions (temperature and pressure)

10.3 Possibility of hazardous reactions**Hazardous reaction:**

No Data Available

10.4 Conditions to avoid

Contact with incompatible materials, Dust generation, Excessive heat.

10.5 Incompatible materials**Materials to avoid:**Materials to avoid
Strong Oxidising agents**10.6 Hazardous decomposition products**Carbon Monoxide
Carbon Dioxide
Sulfur Oxides**11.0 Toxicological Information****11.1 Information on toxicological effects****MAGNESIUM DODECYL SULFATE 85% - 95%****Inhalation****Remarks**

Inhalation may cause pain in respiratory system, sneezing coughing and difficulty in breathing.

Irritation**Skin**

In case of contact with skin, rinse immediately with plenty of water.

Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Sensitisation

No Information available

12.0 Ecological Information**12.1 Toxicity****MAGNESIUM DODECYL SULFATE 85% - 95%****Acute toxicity****Fish****Species**

No Ecological data available for this material. They will be included in the safety data sheets when available

Exposure Time**Value Type****Value****Species**

No Ecological data available for this material. They will be included in the safety data sheets when available

Exposure Time**Value Type****Value****Toxicity to daphnia and other aquatic invertebrates****Species**

No Ecological data available for this material. They will be included in the safety data sheets when available

Exposure Time**Value Type****Value****Bacteria**

Species	No Ecological data available for this material. They will be included in the safety data sheets when available
Exposure Time Value Type Value	

12.2 Persistence and degradability

MAGNESIUM DODECYL SULFATE 85% - 95%	
<u>Persistence and degradability</u>	
<u>Biodegradability</u>	
Remarks	No Ecological data available for this material. They will be included in the safety data sheets when available

12.3 Bioaccumulative potential

MAGNESIUM DODECYL SULFATE 85% - 95%	
<u>Bioaccumulation</u>	
Remarks	No Ecological data available for this material. They will be included in the safety data sheets when available

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

MAGNESIUM DODECYL SULFATE 85% - 95%	
<u>Additional ecological information</u>	
Remarks	

13.0 Disposal considerations

13.1 Waste treatment methods

Product	Disposal together with normal waste is not allowed. Special disposal required to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated Packaging	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
European Waste Catalogue Number	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14.0 Transport information

IMDG/IMO	
UN Number	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Regulated
Proper Shipping Name	Not Regulated
ADR	
UN Number	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Regulated
Proper Shipping Name	Not Regulated
IATA	
UN Number	Not Regulated
Hazard Class	Not Regulated
Packing Group	Not Regulated
Proper Shipping Name	Not Regulated

15.0 Regulatory Information

Component	
MAGNESIUM DODECYL SULFATE 85% - 95%	
EINECS	No Data
ELINCS	No Data
NLP	No Data
TSCA	No Data
DSL	No Data
NDSL	No Data

PICCS	No Data
ENCS	No Data
CHINA	No Data
AICS	No Data
KECL	No Data

Ledgend

TSCA	United States Toxic Substance Control Act Section 8 (b) Inventory
EINECS/ELINCS	European Inventory Lists
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
ENCS	Japan Existing and New Chemical Substances
CHINA	China Inventory of existing Chemical Substances
AIC	Inventory of Chemical Substances
KECL	Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances

16.0 Other information

Signal Word:	Warning
Hazard Statements:	At this time we do not yet have information of identified uses. They will be included in the safety data sheets when available
Hazard Statements: H335 H315 H302 H332	MAY CAUSE RESPIRATORY IRRITATION CAUSES SKIN IRRITATION HARMFUL IF SWALLOWED HARMFUL IF INHALED
Precautionary statements	EU (28,1272/2008)
P305 + P351 + P338	If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do continue rinsing
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray
P301 + P312	If SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P304 + P340	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P233	Keep container tightly closed
Risk Combination Phrases	R36/37/38 - Irritating to eyes, respiratory system and skin R20/22 - Harmful by inhalation and if swallowed

Other information

This information is based upon Solumetrics Ltd Knowledge of this product at the time this Safety Data Sheet was prepared. It is given in good faith and no warranty is implied. The information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The user must satisfy him/her self as to the purpose this product is put to and the possible change in classification should this product be mixed or formulated with other compounds