

## MAGNESIUM SULFATE

Date : 26/03/14

Revision : 3

The information given below corresponds with our knowledge and experience of our product and is not exhaustive. It applies to product that is within specification barring any specified exclusions. In the case of blending or mixing with other products, make certain first that this will not be dangerous.

In addition to this product information all requirements laws and rules for Health and Safety and environmental protection must be rigourously observed. Drafting carried out according to adapted directive 1907/2006/EC.

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**1 Chemical product identification**

1.1 Product name	Magnesium sulfate
1.2 Chemical name	Magnesium sulfate
1.3 Commercial name	Magsulfate
1.4 REACH reg. number	01-2119486789-11-0017
1.5 Emergency telephone number:	Your natinal toxic substance emergency call center

**2 Hazard identification**

Inhalation	None
Eyes	None
Skin	None
Ingestion	Can cause indispositions (abdominal cramps, diarrhea)

**3 Composition / Information on ingredients**

3.1 Components or impurities involving a danger.	None
3.2 Molecular Weight	120,39 g/mol
3.3 N° CAS	7487-88-9
3.4 N° EINECS	231-298-2

**4 First aid measures**

4.1 First aid	
Inhalation	Breathe of the fresh air. Get medical attention.
Contact with eyes	Flush eyes immediately with large amounts of clean water or eyewash solution, occasionally lifting upper and lower lids until no evidence of product remains (approximately 15-20 minutes). Get medical attention.
Contact with skin	Remove soiled boots and clothing. Wash affected area with water until no evidence of product remains. Get medical assistance for irritation or any other symptom.
Ingestion	Rinse the mouth and give some fresh water
4.2 General recommendations	Get medical attention
4.3 Medical annexe	None

**5 Fire fighting measures**

5.1 Appropriate extinguishing methods	All the methods are using
5.2 Anappropriate extinguishing methods	None
5.3 Special hazards	Incombustible

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5.4 Protective measures in case of intervention	Use protective clothing and breathing equipment appropriate for the surrounding fire.
5.5 Other protections	Remove bowls exposed to the fire, otherwise cool them with some pulverized water

**6 Measures to be taken in case of accidental spillage**

6.1 Individual and collectives measures	Use protective clothing and breathing equipment appropriate for the surrounding fire.
6.2 Cleaning methods	Recover in the dry state. Evacuate for elimination. Clean in the water.
6.3 Precautions for environment protection	Do not dump the product in the natural environment.

**7 Handling and storage**

7.1 Handling	No other indication
7.2 Storage	Store in a cool and dry area.
7.3 Packaging storage	Bag : Paper, Polyethylen
7.4 Other precautions	None, to our knowledge

**8 Exposure control / Individual protection**

8.1 Technical measures	Good ventilation of the area
8.2 Respiratory protection	NA
8.3 Hand protection	Protective gloves
8.4 Eye protection	Safety glasses
8.5 Skin protection	NA
8.6 Other protections	Do not eat, drink, smoke on working zones. Wash hands before eating.

**9 Physical and chemical properties**

9.1 Formula	MgSO <sub>4</sub>
9.2 Aspect	White
9.3 Odor	Odourless
9.4 pH	7
9.5 Point / Boiling interval (1013mbar)	NA
9.6 Point / Melting interval	NA
9.7 Flash Point	NA
9.8 Flammability	NA
9.9 Auto-combustion	NA
9.10 Explosion danger	None
9.11 Oxiding properties	None
9.12 Vapour pressure	NA
9.13 Relative density	2,65 (eau = 1)
9.14 Solubility	Appreciable in water
9.15 Viscosity	NA
9.16 Decomposition temperature	NA
9.17 Splitting coefficient P (n-octanol/water)	NA
9.18 Other data	Decomposes in a superior temperature of 150°C.

**10 Stability et reactivity**

10.1 Stability	Stable if stored in normal conditions
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10.2 Conditions to be avoided	None
10.3 Materials to be avoided	None
10.4 Dangerous decomposition products	None
10.5 Other informations	None

**11 Toxicological information**

11.1 Acute toxicity	
DL <sub>50</sub> , oral	Non available
DL <sub>50</sub> , dermal	Non available
DL <sub>50</sub> , inhalation	Non available
Irritation	Non available
Sensitization	Non available
11.2 Chronic toxicity	Non available
11.3 Appreciation	Substance used in therapie.

**12 Ecological information**

12.1 Acute toxicity	
CL <sub>50</sub> , fishes	Non available
CE <sub>50</sub> , seaweeds	Non available
CL <sub>50</sub> , daphnia	
12.2 Environmental behaviour	Non available
Mobility	Non available
Persistence	Non available
Degradability	Non available
Potential and bioaccumulation	
12.3 Valuation	None

**13 Considerations related to elimination**

13.1 Waste treatment	Collection and evacuation according to legislation with the waste treatments Take into account official regulations of the local authorities
13.2 Packaging treatment	Indeed empty bags. Rinse the packaging and treat the effluent as the product. All the waste of packagings can be recycled or evacuated towards an approved center

**14 Information in relation with transport**

14.1 N° ONU	None
14.2 Classification	Non dangerous

**15 Informations réglementaires**

15.1 EC labels	Drafting according to adapted directive 67/548/CEE
15.2 Authorized limits	
VME/TLV (ACGIH)	Non available
15.3 Other regulations	

**16 Autres informations**