

# MAGNESIUM STEARATE

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 17/02/2011

Revision date:

Supersedes:

Version: 2.0

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

#### 1.1. Product identifier

Chemical type : Substance  
 Name : MAGNESIUM STEARATE  
 EC no : 292-967-2  
 CAS No. : 91031-63-9  
 Chemical name : Fatty acids, C16-C18, magnesium salts

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Mosselman  
 Route de Wallonie 4  
 7011 Ghlin - Belgium  
 T +32 65395610 - F +32 65395612  
[sales@mosselman.be](mailto:sales@mosselman.be) - [www.mosselman.be](http://www.mosselman.be)

#### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
BELARUS	The Belarus Republican Poisons Centre Minsk Municipal Hospital of Emergency Medical Aid	Kizhevatova str. 58 220115 Minsk	+375 (0)17 201 9158
BULGARIA	National Toxicological Information Centre National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Toteleben Boulevard 1606 SOFIA	+359 2 9154 409
CROATIA	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342
CZECH REPUBLIC	Poisons Information Centre Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojisti 1 128 00 Prague 2	+42 2 2491 9293 +42 2 2491 5402
DENMARK	Poison Information Centre Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV	+45 82 12 12 12 +45 35 31 55 55
FINLAND	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
GREECE	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 10 779 3777
GREECE	Department of Forensic Medicine & Toxicology Aristotle University of Thessaloniki, Medical Faculty	54006 Thessaloniki	
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2	+36 80 20 11 99
ICELAND	Iceland Poisons Information Centre Landspítali University Hospital	Fossvogi 108 Reykjavik	+354 525 111 +354 543 2222
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
ISRAEL	Israel Poisons Information Centre Rambam Medical Centre	PO Box 9602 31096 Haifa	+972 4 854 1900
ITALY	Centro Antiveleni (Poisons Centre) Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 I-00168 Roma	+39 06 305 4343
KAZAKHSTAN	Republican Toxicology Centre City Emergency Medicine Hospital	Tole-bi 93 480083 Almaty	
LATVIA	Latvian Poisons Information Centre Clinical Hospital "Gailezers"	2 Hipocrate Street LV 1038 Riga	+371 704 2468
LITHUANIA	Poisons Control and Information Bureau	Siltnamiu 29 2043 Vilnius	+370 2 36 20 52 +370 2 36 20 92
NORWAY	Poisons Information Directorate of Health and Social Affairs	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300
POLAND	Warsaw Poison Control and Information Centre Praski Hospital	Al. Solidarnosci 67 P-03 401 Warszawa	+48 22 619 66 54 +48 22 619 08 97

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Country	Official advisory body	Address	Emergency number
PORTUGAL	Centro de Informação Antivenenos – Dra Arlinda Borges Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"	Boulevardul Iancu de Hunedoara 30-32 Bucharest	+40 2121 06282 +40 2121 06183
RUSSIAN FEDERATION	Toxicology Information and Advisory Centre (RTIAC) Ministry of Health of the Russian Federation	3 Sukharevskaya Ploshad Block 7 129090 Moscow	+7 095 928 16 87 (Russian only)
SLOVAKIA	National Toxicological Information Centre University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SLOVENIA	Poison Centre Division of Internal Medicine	University Clinical Centre Zaloska 7 1525 Ljubljana	+ 386 41 650 500
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	+46 8 33 12 31 (International) 112 (National)
UNITED KINGDOM	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0870 600 6266 (UK only),
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0870 600 6266 (UK only)
UNITED KINGDOM	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0870 600 6266 (UK only)
UNITED KINGDOM	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh	51 Little France Crescent EH16 4SA Edinburgh	0870 600 6266 (UK only)
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
UNITED KINGDOM	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0870 600 6266 (UK only)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Chemical name	Product identifier	%	Classification according to Directive 67/548/EEC
Fatty acids, C16-C18, magnesium salts (Main constituent)	(CAS No.) 91031-63-9 (EC no) 292-967-2	100	Not classified
Chemical name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty acids, C16-C18, magnesium salts (Main constituent)	(CAS No.) 91031-63-9 (EC no) 292-967-2	100	Not classified

Full text of R-, H- and EUH-phrases: see section 16.

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### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove immediately contaminated clothing.
First-aid measures after inhalation	: Fresh air, rest. If necessary seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water and soap. If necessary seek medical advice.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion	: Rinse mouth. Immediately consult a doctor/medical service.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ), dry chemical powder, foam.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

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

Fire hazard	: In case of fire it can release carbon oxides (CO and CO <sub>2</sub> ).
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### 5.3. Advice for firefighters

Protective equipment for firefighters	: Use a self-contained breathing apparatus and also a protective suit.
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## SECTION 6: Accidental release measures

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

General measures	: No naked flames, sparks, and do not smoke.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing.
Emergency procedures	: Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Use appropriate container to avoid environmental contamination.

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

Methods for cleaning up	: Vacuum with an equipment that avoids ignition risk. Provide the tank with earthing.
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### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from sources of ignition - No smoking. Use only explosion-proof equipment. Handle in accordance with good industrial hygiene and safety practice.
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### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Prevent build-up of electrostatic charges (e.g., by grounding). Earth the equipment. Use spark-/explosionproof appliances and lighting system.
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Storage conditions : Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Provide appropriate exhaust ventilation at places of dust forming.  
Hand protection : Wear suitable gloves.  
Eye protection : In case of risky circumstances: safety glasses or face shield.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Powder.  
Colour : White.  
Odour : characteristic.  
Melting point : ca 140 °C  
Density : ca 1,03 g/ml  
Solubility : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Finely dispersed particles form explosive mixtures in air.

### 10.4. Conditions to avoid

Avoid formation of dust. ignition sources.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Stable at room temperature.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Fatty acids, C16-C18, magnesium salts

LD50 oral rat : > 2000 mg/kg

Skin corrosion/irritation : Not classified (Lack of data)

Serious eye damage/irritation : Not classified (Lack of data)

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Respiratory or skin sensitisation	: Not classified (Lack of data)
Germ cell mutagenicity	: Not classified (Lack of data)
Carcinogenicity	: Not classified (Lack of data)
Reproductive toxicity	: Not classified (Lack of data)
Specific target organ toxicity (single exposure)	: Not classified (Lack of data)
Specific target organ toxicity (repeated exposure)	: Not classified (Lack of data)
Aspiration hazard	: Not classified (Lack of data)

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

##### Fatty acids, C16-C18, magnesium salts

Persistence and degradability	Biodegradable.
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#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Ecology - waste materials : Collect all waste in suitable and labelled containers and dispose according to local legislation.

### SECTION 14: Transport information

No dangerous good in sense of transport regulations.

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

No additional information available

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*