
MATERIAL SAFETY DATA SHEET

According to Regulation (EC) 1907/2006 and further amendments

MAGNESIUM STEARATE

(Powder)

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Substance:	MAGNESIUM STEARATE
1.2 Use of the substance:	Lubricant
1.3 Company identification:	FACI ASIA PACIFIC PTE LTD
- Address	1 Merlimau Place, Jurong Island Singapore 627862
- Telephone No.	(65) 6896-7088
- Fax No.	(65) 6896-7015
- Person responsible for Safety Data Sheet:	Dr. Angelo Nora
- E-mail:	technicalservice@faci.it
- Emergency Telephone no.	(65) 6896-7088 (office hours)

2. HAZARDS IDENTIFICATION

Directive 67/548/EEC:	Non-hazardous
Physical Hazards:	Dust/air mixtures may ignite or explode in presence of sources of ignition
Carcinogen status:	OSHA: No, NTP: No, IARC: No

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main component		
- Average Molecular weight	Magnesium salts of commercial stearic acid	
- INCI Name	570	
- INN Name	Magnesium stearate	
3.2 Directive 1999/45/EC	Magnesium stearate	
3.3 Concentration	not classified as dangerous	
3.4 Additives	98% approx.	
3.5 EINECS No.	None	
209-150-3	EINECS name	CAS No.
292-967-2	Octadecanoic acid, magnesium salt	557-04-0
	Fatty acids, C16-18, magnesium salts	91031-63-9

4. FIRST AID MEASURES

INHALATION:	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.
SKIN CONTACT:	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.
EYE CONTACT:	Flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
INGESTION:	If a large amount is swallowed, get medical attention.

5. FIRE-FIGHTING MEASURES

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Suitable extinguishing media:	Regular dry chemical, carbon dioxide, water, regular foam
Large fires:	Use regular foam or flood with fine water spray. Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.
Extinguishing media which shall not be used for safety reasons:	-
Special exposure hazards:	Slight fire hazard. Powder/air mixture may ignite or explode in presence of ignition sources.
Special protective equipment for fire-fighters:	Respiratory protective device, protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:	Avoid dust formation, do not smoke.
6.2 Environmental precautions:	Keep away from drains and ground water and soil.
6.3 Methods for cleaning up:	Sweep up spilled substance. Store in a closed container.

7. HANDLING AND STORAGE

7.1 Handling:	avoid dust formation and ignition sources
7.2 Storage:	store in a cool, dry area at room temperature
7.3 Shelf life:	24 months
7.4 Specific use(s):	-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values: -	
8.2 Exposure controls: -	
8.2.1 Occupational exposure controls	
a) Respiratory protection:	Respirator for inert particles
b) Hand protection:	Gloves
c) Eye protection:	Safety goggles
d) Skin and body protection:	Lightweight protective clothing. Use antistatic shoes.
e) General sanitary measures:	While working, do not eat, drink or smoke, wash hands with soaps and water before breaks. Shower or bathe at the end of the workday. Keep work clothes separate.
8.2.2 Environmental exposure controls: -	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information	
- Appearance	solid, powder
- Colour	white
- Odour	slightly fatty
9.2 Important health, safety and environmental information	
- pH (20 °C, solution in water)	7-9
- Boiling Point	-
- Flash point	190 °C approx. (C.O.C. method)
- Flammability (limits in air)	15 g/m ³ for particles <74
- Explosive properties	Mixture powder/air: Yes, Product: No
- Oxidizing properties	-
- Vapour pressure	-
- Density 70 °C	1,095 g/cc

- Solubility	partially in organic solvents
- Water solubility	insoluble
- Partition coefficient: n-octanol/water	-
- Viscosity	-
- Vapour density	-
- Evaporation rate	-

9.3 Other information

- Melting point	130-145 °C
- Ignition temperature	410 °C
- Decomposition temperature	> 200 °C
- Bulk density	160 g/l

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid:	heat, flames, sparks and other sources of ignition
10.2 Material to avoid:	alkalises, oxidizers
10.3 Hazardous/ thermal decomposition products:	magnesium oxide and carbon monoxide
10.4 Reactivity:	stable at room temperatures

11. TOXICOLOGICAL INFORMATION

LD₅₀/oral/rat: > 10 g/kg

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	-
12.2 Mobility:	-
12.3 Persistence e degradability:	-
12.4 Bio accumulative potential:	-
12.5 Results of PBT assessment:	-
12.6 Other adverse effects:	-

13. DISPOSAL CONSIDERATIONS

13.1 Waste from residues/unused products:	can be land-filled in accordance with local and national regulations
13.2 Contaminated packaging:	in accordance with local and national regulations

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations: IMDG, ADR, RID, ICAO, IATA.

15. REGULATORY INFORMATION

According to our data the product is not harmful within the meaning of the following directives:
 Council Directive 88/379/EEC of 7 June 1988 and Commission Directive 90/492/EEC of 5 September 1990 on dangerous preparations.

Inventory Status

On TSCA Inventory June 2010 TSCA Inventory.

On DSL: Supplement to Canada Gazette, Part I, January 26, 1991.

On REACH: Commission Regulation (EC) No 987/2008 of 8 October 2008, amending Regulation (EC) No 1907/2006 as regards Annex IV and V.

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As all substances which are in the closed list of Annex V, entry 9, benefit from the exemption of registration.

On EINECS: Annex to Official Journal of the European Communities, 15 June 1990; EINECS Corrections (English), March 1997.

On ENCS: Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 2-611.

On AICS: Australian Inventory of Chemical Substances, June 1996 Ed.

On ECL: Korean Existing Chemicals List, January 1997.

On SWISS: Giftliste 1 (List of Toxic Substances 1), 31 May 1999.

On PICCS: Philippines Inventory of Chemicals and Chemical Substances, 2000.

On ASIA-PAC: -

On NZIoC: New Zealand Inventory of Chemicals, 2006.

On IECSC 2010: Inventory of Existing Chemical Substances in China

German Water hazard class (WGK):

- ID-Number: 3161
- State of classification: Annex 3
- Classification under hazard to water: nwg

16. OTHER INFORMATION

R-phrase(s): None

S-phrase(s): None

HMIS – Hazard Material Information System (U.S.A.)

Health:	0
Fire hazard:	1
Reactivity:	0
Personal Protection:	E

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