



SAFETY DATA SHEET

MAGNESIUM STEARATE

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Magnesium Stearate

Substance Use: Lubricant

Details of the manufacturer / supplier:

Windy Point Soap Making Supplies Inc.

14, 6125-12th Street SE

Calgary, AB T2H 2K1

587-318-6678

Emergency Phone Number: ChemTel - (800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
+1 813 248-0585 International

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Average Molecular Weight: 570
Main Component: Magnesium salts of commercial stearic acid

INCI Name: MAGNESIUM STEARATE

INN: magnesium stearate

Directive 1999/45/EC: not classified as dangerous

Concentration: 98% approximately

Additives: None

EINECS No:

209-150-3

292-967-2

EINECS Name

Octadecanoic acid, magnesium salt

Fatty acids, C16-18, magnesium salts

CAS No.

557-04-0

91031-63-9

3. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008 (CLP/GHS) not hazardous.

No pictogram is required.

Hazard statement: May form combustible dust concentrations in air

Signalword: Warning

Carcinogen status: OSHA: no - NTP: no - IARC: No

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. Then get immediate medical attention.

Ingestion: If a large amount is swallowed, get medical attention.

5. FIRE AND EXPLOSION DATA

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.

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

Personal precautions: avoid dust formation, do not smoke

Environmental precautions: keep away from drains and ground water and soil.

Methods for cleaning up: sweep up spilled substance but avoid making dust. Store in a closed container.

7. HANDLING AND STORAGE

Handling: avoid dust formation and ignition sources.

Storage: store in a cool, dry area at room temperature. Shelf life: 24 months.

Specific use(s): not available

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limit values: not available

Exposure controls: not available

Occupational exposure controls

Respiratory protection: respirator for inert particles

Hand protection: gloves

Eye protection: safety goggles

Skin and body protection: lightweight protective clothing. Use antistatic shoes.

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.

Environmental exposure controls: not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, powder
Odor	Slightly fatty
Color	White
pH (in water solution at 20°C)	7-9
Boiling point	Not applicable
Flash point	190°C approx. (C.O.C. method)
Flammability (limits in air)	15 g/m ³ for particles <74 µm
Explosive property	Mixture powder/air: yes – product: no
Oxidizing properties	None
Vapor pressure at 20°C	Not applicable
Density at 70°C	1,095 g/cc
Solubility	partially in organic solvents
Water Solubility	Insoluble
Partition coefficient: n-octanol/water	Not available
Viscosity	Not applicable
Vapor Density	Not applicable
Evaporation Rate	None
Melting Point	130-145°C
Ignition temperature	410°C
Decomposition temperature	>200°C
Bulk density typical	160 g/l

10. STABILITY AND REACTIVITY

Conditions to avoid: Avoid heat, flames, sparks and other sources of ignition.

Material to avoid: alkalises, oxidizers.

Hazardous/ Thermal decomposition products: magnesium oxide and carbon monoxide.

Reactivity: Stable at room temperatures

11. TOXICOLOGICAL INFORMATION

LD₅₀ / oral/ rat: > 10 g/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Mobility: Not available.

Persistence Degradability: Not available

Bioaccumulative Potential: Not available

Results of PBT Assessment: Not available

Other adverse effects: Not available

13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products: can be land-filled, in accordance with local and national regulations.

Contaminated packaging: dispose 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, 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.

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

Flammability: 1

Reactivity: 0

Personal Protection: E

Disclaimer & Caution

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