Magnesium Stearate, USP

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 01-Oct-2021
Supersedes: 19-Jul-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Magnesium Stearate, USP
Synonyms: Octadecanoic acid, magnesium salt / Stearate, magnesium / Stearic acid, magnesium salt / Octadecanoic acid, magnesium salt (2:1) / Magnesium distearate / Salts of stearic acids with magnesium bases / Magnesium octadecenoate / Bis(octadecanoic acid)magnesium salt / Salt of stearic acid with magnesium base / Dioctadecanoate magnesium
INCI Name: Magnesium Stearate
CAS Number: 557-04-0
Formula: Not available
Product Form: Solid (powder)
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)

Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not a dangerous substance according to GHS
GHS Hazard Pictograms: None
GHS Hazard Statements: May form combustible dust concentrations in air.
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May be irritant.
Inhalation: May be irritant.
Skin: May be irritant.
Ingestion: May be irritant.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Magnesium Stearate	557-04-0	>98%	Not available

4 FIRST AID MEASURES

Eyes: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Inhalation: Remove person to uncontaminated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
Skin: Gently wash with plenty of soap and water. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Ingestion: Get immediate medical advice/attention. Do Not Induce Vomiting without medical advice. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) May be combustible at high temperature. Use appropriate media (carbon dioxide, water, dry

extinguishing media:	chemical powder) for adjacent fire. Do not use heavy water stream.
Special protective equipment & precautions for firefighters:	Avoid generation of dust. Keep container tightly closed and away from heat, sparks, and flame. Move undamaged containers from immediate hazard area if it can be done safely. Stay upwind/keep distance from source. Wear self-contained, approved breathing apparatus and chemically protective clothing, including eye protection and boots. Wear fire/flame resistant/retardant clothing.
Flash Points:	≈190°C
Specific hazards arising from the chemical:	Potential dust explosion hazard from airborne release. High concentrations of dust or particulate in enclosed spaces may represent a fire/explosion risk. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source in a potential dust explosion hazard. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Contain the spillage using bonding. For larger spills, dike area and pump into waste containers. Mechanically ventilate the spillage area. Use clean-up methods that avoid dust generation (vacuum wet). Avoid creating or spreading dust. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

7 HANDLING & STORAGE

Precautions for safe handling:	Generation of airborne dust. Dust may form flammable and explosive mixture with air. Do not breathe dust. Use approved industrial vacuum cleaner for removal. Avoid raising powdered materials into airborne dust. Provide local exhaust or general room ventilation to minimize exposure to dust. Use grounded electrical/mechanical equipment. Use explosion-proof equipment. Do not eat, drink, or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, or when leaving work. Wash contaminated clothing prior to reuse. Handle in accordance with good industrial hygiene and safety practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in cool, dry area. Keep container tightly closed. Shelf life 24 months. Keep in original container. Keep away from open flames, hot surfaces, sources of ignition, and incompatibilities (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Magnesium Stearate	3 mg/m^3	TWA (Stearates (Except Stearates of Toxic Metals), Respirable Fraction)	ACGIH
	10 mg/m^3	TWA (Stearates (Except Stearates of Toxic Metals), Inhalable Fraction)	ACGIH

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes:	In case of dust protection: protective goggles. Use equipment for eye protection tested and approved in accordance with OSHA requirements (29 CFR 1910.133).
Inhalation:	Dust protection: dust mask with filter type P2. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).
Body:	Use equipment for hand protection tested and approved in accordance with OSHA requirements (29 CFR 1910.138). Thickness of the glove material >0.11mm. Breakthrough time: >480min. Nitrile rubber. Use chemically protective clothing. Chemical resistant safety shoes. (Tested and approved in accordance with OSHA requirements (29 CFR 1910.132) or equivalent.
Other:	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities

accessible to areas of use and handling. Provide adequate ventilation to minimize dust concentrations. Either local exhaust or general room ventilation is usually required.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid	**Vapor Pressure:**	No data available
Odor:	Slightly fatty	**Vapor Density:**	Not applicable
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	White	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH @ 20°C, sol. in water:	7-9	**Flash Point:**	≈190°C
Boiling Point:	Not applicable	**Specific Gravity:**	No data available
Melting Point:	130-145°C	**Solubility:**	Water: Insoluble Organic solvents: Partially insoluble
Density:	1.095 g/m^3	**Auto-Ignition Temperature:**	410°C
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	>200°C
Viscosity:	No data available	**Explosive Properties:**	Not explosive. Dust may form explosive mixture in air.
Oxidizing Properties:	Not oxidizing.	**Freezing Point:**	No data available
Buk Density:	140-200 kg/m^3		

10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions of use.
Chemical Stability:	Stable under normal conditions of use.
Hazardous Polymerization:	None under normal conditions.
Conditions to Avoid:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Incompatible Materials:	Strong acids and oxidants.
Hazardous Decomposition Products:	Thermal decomposition generates: Calcium oxides. Carbon oxides (CO, CO2).

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No data available
Eyes:	Not classified. Dusts are mechanical irritants.
Respiratory:	No data available
Ingestion:	LD50: >10 g/kg
Carcinogenicity:	Not classified.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Not classified.
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	Not classified.
Reproductive Toxicity:	Not classified.
Respiratory/Skin Sensitization:	No data available
Corrosivity:	Not classified.
Sensitization:	Not classified.
Irritation:	No data available
Repeated Dose Toxicity:	Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	No data available

Mobility in Soil: No data available
PBT and vPvB Assessment: No data available
Other Adverse Effects: No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.
Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.
The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): In accordance with DOT
TDG (Transportation of Dangerous Goods, Canada): Not applicable
IMDG (International Maritime Dangerous Goods): Not applicable
IATA (International Air Transport Association): Not applicable
ICAO (International Civil Aviation Organization): Not applicable

15 REGULATORY INFORMATION

TSCA Inventory Status: Listed.
DSCL (EEC): No data available
WHMIS (Canada): No data available
DSL (Canada): Listed.
EU EINECS/ELINCS/NLP: Listed on the EEC inventory EINECS.
China IECSC: Listed.
China IECIC (06.30.2014): No data available
Australia AICS: Listed.
Japan ENCS: No data available
Japan ISHL: Listed.
Philippines PICCS: Listed.
Korea ECL: Listed.
New Zealand NZIoC: Listed.
Mexico INSQ: Listed.
Taiwan TSCI: Listed.

16 OTHER INFORMATION

Revision Date: 01-Oct-2021
Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.