Magnesium Aluminum Silicate

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

Revision Date: 27-Jun-2024
Supersedes: 08-Jan-2016

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Magnesium Aluminum Silicate
Synonyms: No data available
INCI Name: Magnesium aluminum silicate
CAS Number: 12199-37-0
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics 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: None.
GHS Precautionary Statements: Read label before use.
Keep out of reach of children.
If medical advice is needed, have product container or label at hand.
Avoid excessive dust generation.
Avoid breathing dust.
Use only with adequate ventilation.
Non-Classified Hazards: Not an acute hazard.
May cause mechanical eye or skin irritation.
Prolonged inhalation may cause lung injury.
Physical form is unlikely to generate dust under normal conditions of use.
Material will become slippery when wet.
Potential Health Hazards: Eyes: Not a primary eye irritant. May cause mechanical irritation.
Inhalation: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

NFPA Ratings (704):

Health	0	Minimal
Flammability	0	Minimal
Reactivity	0	Minimal
Specific Hazard	N/A	

HMIS Ratings:

Health	1	Slight
Flammability	0	Minimal
Reactivity	0	Minimal
Personal Protection	E	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Magnesium aluminum silicate	12199-37-0	100%	Not Available

4 FIRST AID MEASURES

Eyes: Flush with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. If irritation develops and persists, seek medical attention.
Inhalation: Move to fresh air. If respiratory distress develops, seek medical attention.
Skin: Flush skin with plenty of water. Seek medical attention if irritation develops.

Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person unless directed to do so by medical personnel. Unlikely to be toxic by ingestion. Rinse mouth out with water. Seek medical attention if significant quantities have been ingested or symptoms occur.
First Aid Notes:	No specific treatment. Treat symptomatically. No action shall be taken involving any personal risk or without suitable training.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	This product is not combustible. Use appropriate media for surrounding environment for adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode and full protective clothing, including eye protection and boots. Product may become slippery when wet.
Flash Points:	Product does not sustain combustion.
Specific hazards arising from the chemical:	No specific fire or explosion hazard. This product is not flammable and does not support fire. There are no hazardous decomposition products. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Minimize dust generation. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. 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/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	For small spills, Minimize dust generation. Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. For large spills, minimize dust generation. Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Smectite clay	15 mg/m3 (total dust)	TWA	OSHA PEL
	5 mg/m3 (respirable dust)	TWA (PNOR)	OSHA PEL
	10 mg/m3 (total dust)	TWA	ACGIH TLV
	3 mg/m3 (respirable dust)	TWA (PNOS)	ACGIH TLV

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:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, safety glasses with side shields or splash protection goggles should be worn, unless the assessment indicates a higher degree of protection.
Inhalation:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Body:	Wear protective gloves for normal conditions of use. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Engineering Controls:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below established recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit. Under controlled laboratory test conditions, the granular particulate form of this product was found to produce a 3-fold reduction in airborne respirable dust (<10 microns) when compared to flake particulate forms of the same product. Use in an industrial setting is likely to yield similar aerosol dust suppression. As per sound industrial hygiene practice, however, dust levels should be determined by direct dust monitoring at the work site to address variations in material handling and dust control practices. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Other:	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid (fine granules)	**Vapor Pressure:**	Not applicable
Odor:	Odorless	**Vapor Density:**	Not applicable
Odor Threshold:	No data available	**Evaporation Rate:**	Not applicable
Color:	Off-white to tan	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	9.5 (Conc. (% w/w): 5%)	**Flash Point:**	Product does not sustain combustion
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting/Freezing Point:	No data available	**Water Solubility:**	Insoluble
Relative Density:	2.9	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	No data available	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical Stability:	The product is stable.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No data available.

Eyes:	No data available.
Inhalation:	No data available.
Ingestion:	No data available.
Carcinogenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Germ Cell Mutagenicity:	No known significant effects or critical hazards.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No known significant effects or critical hazards.
Chronic Health Effects:	Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No known significant effects or critical hazards.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Product Containers:	Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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):	Not regulated.
TDG (Transportation of Dangerous Goods, Canada):	Not regulated.
IMDG (International Maritime Dangerous Goods):	Not regulated.
IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	No data available.
ADR/RID (Road and Rail Transportation):	Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components are listed or exempted.
SARA 302/304:	No products were found.
SARA 311/312:	Not applicable.
State Regulations:	None of the components are listed in MA, NY, NJ, or PA.
Canada (DSL):	All components are listed or exempted.
EU (EINECS):	All components are listed or exempted.
China (IECSC):	All components are listed or exempted.
Australia (AICS):	All components are listed or exempted.
Japan (ENCS):	All components are listed or exempted.

Philippines (PICCS):	All components are listed or exempted.
Korea (KECI):	All components are listed or exempted.
New Zealand (NZIoC):	All components are listed or exempted.
Taiwan (TCSI):	All components are listed or exempted.
Malaysia (EHS Register):	All components are listed or exempted.
California Proposition 65:	None of the components are listed.

16 OTHER INFORMATION

Revision Date:	27-Jun-2024
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.