

## Mica Spheres

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

Revision Date: 19-Mar-2024  
Supersedes: 13-Jan-2020

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Mica Spheres	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Mica, Silica	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	12001-26-2, 7631-86-9	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	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:** None.  
**Potential Health Hazards:** Eyes: Not expected to be an irritant.  
 Inhalation: May be an irritant.  
 Skin: Not expected to be an irritant.  
 Ingestion: May cause nausea, vomiting, or diarrhea.

**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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Mica	12001-26-2	97 - 99%	Not Available
Silica	7631-86-9	1 - 3%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Rinse out with plenty of water. Remove contact lenses. Seek medical attention if necessary.  
**Inhalation:** Move to fresh air. Seek medical attention if necessary.  
**Skin:** Remove clothing contaminated with the product immediately. Rinse skin with soap and water. Seek medical attention if necessary.  
**Ingestion:** Make victim drink water (two glasses at most). Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for adjacent fire. No unsuitable extinguish media listed.  
**Special protective equipment & precautions for firefighters:** Suppress (knock down) gases/vapors/mists with a water spray jet. Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
**Specific hazards arising from the chemical:** Not combustible. Ambient fire may liberate hazardous vapors. See also Stability and Reactivity section.

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. Do not try to clean up the leak without the proper protective equipment. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Handle in accordance with good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store tightly closed, in a dry area, away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
General threshold limit value for dust	15 mg/m <sup>3</sup> (total dust)	TWA	OSHA Z-3
	5 mg/m <sup>3</sup> (respirable fraction)	TWA	OSHA Z-3
	50 million particles per cubic foot (total dust)	TWA	OSHA Z-3
	15 million particles per cubic foot (respirable fraction)	TWA	OSHA Z-3
Mica (muscovite)	3 mg/m <sup>3</sup> (respirable fraction)	TWA	OSHA P0
	3 mg/m <sup>3</sup> (respirable)	TWA	NIOSH REL
	3 mg/m <sup>3</sup> (respirable particulate matter)	TWA	ACGIH
	20 million particles per cubic foot (dust)	TWA	OSHA Z-3
Silicon dioxide	6 mg/m <sup>3</sup> (Silica)	TWA	NIOSH REL
	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica) (dust)	TWA	OSHA Z-3
	20 million particles per cubic foot (Silica) (dust)	TWA	OSHA Z-3

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:

<b>Eyes:</b>	Wear safety glasses.
<b>Inhalation:</b>	Air purifying mask required when dust is generated.
<b>Body:</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Full protective clothing is recommended.
<b>Other:</b>	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Change contaminated clothing. Wash hands after working with substance. 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

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	No data available

<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Light gray	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH 77°F (25°C):</b>	7.0 - 10.0 at 100 g/l (slurry)	<b>Flash Point:</b>	Not applicable
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Bulk Density:</b>	60 - 120 kg/m <sup>3</sup>	<b>Water Solubility at 68°F (20°C):</b>	Practically insoluble
<b>Density at 68°F (20°C):</b>	2.5 - 2.7 g/cm <sup>3</sup>	<b>Particle Size:</b>	< 15 µm particle size
<b>Partition Coefficient: n-octanol/water:</b>	log Pow: < 0.5	<b>Decomposition Temperature:</b>	No data available
<b>Oxidizing Properties:</b>	None	<b>Explosive Properties:</b>	Not classified as explosive

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is chemically stable under standard ambient conditions (room temperature).
<b>Chemical Stability:</b>	The product is chemically stable under standard ambient conditions (room temperature).
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	Heat and sources of ignition.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.
<b>Possible Hazardous Reactions:</b>	Ambient fire may liberate hazardous vapors.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	(Rabbit): no irritant effect. (OECD Test Guideline 404 (ECHA))
<b>Eyes:</b>	(Rabbit): no irritant effect. (OECD Test Guideline 405 IUCLID)
<b>Respiratory:</b>	LC <sub>50</sub> (Rat): male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9 mg/l air.
<b>Ingestion:</b>	LD <sub>50</sub> (Rat): not determinable; all animals still alive after 15,000 mg/kg.
<b>Carcinogenicity:</b>	Animal testing did not show any carcinogenic effects.
<b>IARC:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
<b>OSHA:</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>Likely Route of Exposure:</b>	Inhalation, eye contact, skin contact, and ingestion.
<b>Teratogenicity:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Germ Cell Mutagenicity:</b>	(Rat) Genotoxicity in vivo: Result: negative (ECHA). Ames test (Salmonella typhimurium) Genotoxicity in vitro: Result: Negative (IUCLID). (Mammal cell test): chromosome aberration. Result: negative (IUCLID) Animal testing did not show any mutagenic effects.
<b>Genotoxic Effects:</b>	The product did not show any genotoxic effects in the micronucleus tests carried out in rats in concentrations of up to 2000 mg/kg (limit test).
<b>Repeated Dose Toxicity:</b>	(Rat, Oral): 13 weeks daily, NOAEL: 4,000 mg/kg (OECD Test Guideline 408 (ECHA)) (Rat, Inhalation): 13 weeks daily. (OECD Test Guideline 413 (ECHA))
<b>Reproductive Toxicity:</b>	No toxicity to reproduction.
<b>Subchronic Toxicity:</b>	(Rat): no findings up to 20,000 ppm.
<b>Chronic Toxicity:</b>	(Rat): 5% of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals.
<b>Specific Target Organ Toxicity:</b>	The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>Sensitization:</b>	(Guinea pig): no sensitizing potential (IUCLID)
<b>Additional Toxicological Information:</b>	The results of animal experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No ecological problems are to be expected when the product is handled and used with due care and attention
<b>Aquatic Vertebrate:</b>	Static test, LC50 (Danio rerio): 10,000 mg/l; 96 hours (OECD Test Guideline 203 (ECHA)) Chronic toxicity: NOEC Fish: 86.03 mg/l; 30 days (US-EPA (ECHA))
<b>Aquatic Invertebrate:</b>	Static test, EC50 (Daphnia magna): > 1,000 mg/l; 24 hours (OECD Test Guideline 202 (ECHA)) Chronic toxicity: 34.2 mg/l; 30 days (ECHA)
<b>Aquatic Algae:</b>	IC50 (Pseudokirchneriella subcapitata): 440 mg/l; 72 hours (IUCLID) NOEC (Pseudokirchneriella subcapitata): 60 mg/l; 72 hours (IUCLID)
<b>Persistence and Degradability:</b>	The methods for determining biodegradability are not applicable to inorganic substances
<b>Bioaccumulative Potential:</b>	Bioaccumulation is not expected
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. 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.
<b>Product Containers:</b>	Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. 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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated as dangerous goods.
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated as dangerous goods.
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated as dangerous goods.
<b>IATA (International Air Transport Association):</b>	Not regulated as dangerous goods.
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated as dangerous goods.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	This product is regulated under the Food, Drug, and Cosmetic Act and is exempt from TSCA.
<b>Canada (DSL):</b>	This product or its components are listed on or compliant with the DSL.
<b>CERCLA Reportable Quantity:</b>	This material does not contain any components with a CERCLA RQ.
<b>SARA 304:</b>	This material does not contain any components with a section 304 EHS RQ.
<b>SARA 302:</b>	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313:</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>Clean Air Act:</b>	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).
<b>Clean Water Act:</b>	This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section

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<b>MA Right to Know:</b>	307. mica (muscovite) 12001-26-2, silicon dioxide 7631-86-9
<b>PA Right to Know:</b>	mica (muscovite) 12001-26-2, silicon dioxide 7631-86-9
<b>NJ Right to Know:</b>	mica (muscovite) 12001-26-2
<b>California Prop. 65:</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	19-Mar-2024
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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 suitability & completeness of such information for his own particular use.