

Kaolin

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


Revision Date: 05-12-2015
Supersedes: 07-11-2014

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Kaolin	Distributor:	MakingCosmetics.com Inc.
Synonyms:	Kaolin clay, hydrated aluminum silicate	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Kaolin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	1332-58-7	Web:	www.makingcosmetics.com
Formula:	Al ₂ Si ₂ O ₅ (OH) ₄		
Product Form:	Powder		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Signal Word: **WARNING**

GHS Hazard Pictograms: 

GHS Hazard Statements:
 H319: Causes serious eye irritation
 H315: Causes skin irritation
 H335: May cause respiratory irritation
 H373: May cause damage to organs (lungs) through prolonged or repeated exposure

GHS Precautionary Statements:
 P281: Use personal protective equipment as required

Potential Health Hazards:
 Eyes: Causes eye irritation.
 Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
 Skin: Slightly hazardous in case of skin contact (irritant).
 Ingestion: May be harmful if swallowed.

NFPA Ratings (704):

Health	1
Flammability	0
Reactivity	0
Specific Hazard	n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Kaolin	1332-58-7	100%	258.2 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical: Emits toxic fumes (titanium oxides) under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:

See section 8 for recommendations on the use of personal protective equipment.

Methods and material for containment and cleaning up:

Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements
 Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

7 HANDLING & STORAGE

Precautions for safe handling:
Conditions for safe storage, incl. any incompatibilities:

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.
 Store in cool, dry well ventilated area. Keep 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>
Kaolin	2 mg/m ³	TWA	ACGIH
	15 mg/m ³ (total dust)	TWA (PEL)	OSHA
	10 mg/m ³ (inhalation)	TWA	NIOSH

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: Wear chemical safety glasses or goggles.
Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin: Wear nitrile or rubber gloves, apron or lab coat.
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powdered solid	Vapor Pressure:	Not applicable
Odor:	Negligible	Vapor Density:	Not applicable
Taste:	Not available	Evaporation Rate:	Not applicable
Color:	White	Flammability:	Not flammable
Molecular Weight:	258.2 g/mol	Upper/lower Explosive Limit:	Not explosive
pH (28% sol. in water)	6 - 7.5	Specific Gravity:	2.61 (water = 1)
Boiling Point:	Not available	Solubility:	Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol
Melting Point:	1700°C (3092°F)		
Flash Point:	Not flammable		

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Product is stable
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Not available
Incompatible Materials: Reactive with oxidizing agents, acids, alkalis
Hazardous Decomposition Products: Not available
Polymerization: Will not occur

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50: Not available. LC50: Not available

Chronic Toxicity:	May cause adverse reproductive effects based on animal test data. No human data found.
Carcinogenicity:	A4 (Not classifiable for human or animal.) by ACGIH. May cause damage to the following organs: upper respiratory tract, stomach.
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	May cause damage to lungs and upper respiratory tract
Reproductive Toxicity:	Not available
Special Remarks:	Acute Potential Health Effects: Skin: Dust may cause skin irritation. Eyes: Dust may cause eye irritation. Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling. Inhalation: Dust may cause respiratory tract irritation. Low Hazard for usual industrial handling. Chronic Potential Health Effects: Prolonged exposure may affect the stomach and respiratory system. The NIOSH Pocket Guide lists the respiratory system and stomach as target organs. Chronic inhalation may cause a particular type of pneumoconiosis called Kaolinosis. It is characterized by positive x-ray findings and mild reductions in pulmonary function. Pure Kaolin is apparently not fibrogenic and does not induce debilitating silicosis. However, if it is contaminated with crystalline silica it may produce severe lung effects, including emphysema and pulmonary fibrosis due to the contaminating silica

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence and Degradability:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not 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 significantly 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):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	All ingredients are listed on the TSCA inventory
DSCL (EEC):	This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
WHMIS (Canada):	CLASS D-2A: Material causing other toxic effects (VERY TOXIC)
SARA 302:	Not listed
SARA 304:	Not listed
SARA 311:	Listed
SARA 312:	Listed
SARA 313:	Not listed

16 OTHER INFORMATION

Revision Date: 05-11-2015

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 suitability & completeness of such information for his own particular use.