

Bentonite


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

Revision Date: 11-Jun-2024
Supersedes: 12-Jun-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Bentonite	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Bentonite, Water	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	1302-78-9, 7732-18-5	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Solid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

Classification:	Physical Hazards: Not classified. Health Hazards: Skin corrosion/irritation (Category 2) Serious eye damage/eye irritation (Category 2A) Carcinogenicity (Category 1A) Specific target organ toxicity, repeated exposure (Category 1) Environmental Hazards: Not classified. OSHA Defined Hazards: Not classified.												
Signal Word:	DANGER												
Hazard Pictograms:													
Hazard Statements:	Causes skin irritation. Causes serious eye irritation. May cause cancer. Causes damage to organs through prolonged or repeated exposure.												
Precautionary Statements:	Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, gas, mist, vapors, spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. Response: If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Storage: Store locked up. Disposal: Dispose of contents/container in accordance with local, regional, national, international regulations.												
Potential Health Hazards:	Eyes: Causes serious eye irritation. Inhalation: No adverse effects expected. Skin: Causes skin irritation. Ingestion: Expected to be a low ingestion hazard.												
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Flammability</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	0	Minimal	Flammability	0	Minimal	Reactivity	0	Minimal	Specific Hazard	N/A	
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HMIS® Ratings:	<table border="0"> <tr> <td>Health</td> <td>3</td> <td>Serious</td> </tr> <tr> <td>Flammability</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Physical Hazards</td> <td>0</td> <td>Minimal</td> </tr> </table>	Health	3	Serious	Flammability	0	Minimal	Physical Hazards	0	Minimal			
Health	3	Serious											
Flammability	0	Minimal											
Physical Hazards	0	Minimal											

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Bentonite	1302-78-9	92-100%	Not Available
Water	7732-18-5	≤8%	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin:	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Get medical attention if symptoms occur.
Acute/Delayed Symptoms:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
First Aid Notes:	Get medical attention if exposed/concerned. Show the label where possible. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Medical personal should provide general supportive measures and treat symptomatically. Keep victim under observation as symptoms may be delayed.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water fog, foam, dry chemical powder, carbon dioxide (CO ₂)) for surrounding environment for adjacent fire. Do not use direct water jet as an extinguisher as it will spread the fire.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Material can be slippery when wet. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
Flash Points:	No data available.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed. No unusual fire or explosion hazards noted. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Material can be slippery when wet. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. 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 large spills, stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. For small spills, wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
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Conditions for safe storage, incl. any incompatibilities: Store locked up. Store in tightly closed container. Store 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>
Bentonite	No exposure limits listed	Not available	Not available

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 safety glasses/goggles with side protection shields.
Inhalation: In cases of insufficient ventilation, wear an air purifying mask/dust respirator.
Body: Wear appropriate chemical resistant gloves and appropriate chemical resistant clothing with an impervious apron. Wear appropriate thermal protecting clothing when necessary.
Other: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. 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	Vapor Pressure:	No data available
Odor:	Mild	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Tan	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	Approx. 9.0	Flash Point:	No data available
Boiling Point:	No data available	Specific Gravity:	0.12
Melting Point:	No data available	Water Solubility:	No data available
Density:	1.00 lbs/gal 0.12 g/ml	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:	Not explosive
Oxidizing Properties:	Not oxidizing	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical Stability: Material is stable under normal conditions.
Hazardous Polymerization: No data available.
Conditions to Avoid: Contact with incompatible materials.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: No hazardous decomposition products are known.
Possible Hazardous Reactions: No dangerous reaction known under conditions of normal use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known.
Skin: Causes skin irritation.
Eyes: Causes serious eye irritation.
Inhalation: No adverse effects due to inhalation are expected.

Ingestion:	Expected to be a low ingestion hazard.
Over Exposure Symptoms:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Irritation:	Causes serious eye irritation.
Carcinogenicity:	Not listed on IARC, OSHA, or NTP. In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk. " (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Due to partial or complete lack of data the classification is not possible.
Specific Target Organ Toxicity:	Due to partial or complete lack of data the classification is not possible for single exposure. Causes damage to organs through prolonged or repeated exposure.
Reproductive Toxicity:	Due to partial or complete lack of data the classification is not possible.
Skin Sensitization:	Due to partial or complete lack of data the classification is not possible.
Aspiration Hazard:	Due to partial or complete lack of data the classification is not possible.
Chronic Effects:	Causes damage to organs through prolonged or repeated exposure.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large/frequent spills can have a harmful or damaging effect on the environment.
Aquatic Vertebrate:	(Rainbow Trout) LC50: 19000 mg/l, 96 hours.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence & Degradability:	No data is available on the degradability of this product.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. The waste code should be assigned in discussion between the user, the producer, and the waste disposal company. 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.
Product Containers:	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. 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 as dangerous goods.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated as dangerous goods.

IATA (International Air Transport Association):	Not regulated as dangerous goods.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory:	Listed.
TSCA Section 12(b):	Not regulated under export notification (20 CFR 707, Subpt. D)
U.S. Federal Regulations:	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA Hazardous Substance:	Not listed.
SARA 304:	Not regulated under Emergency release notification.
SARA 302:	Not listed under extremely hazardous substances.
SARA 311/312 Hazardous Chemical:	Yes.
SARA 313 (TRI Reporting):	Not regulated.
OSHA:	Not listed under OSHA specifically regulated substances (29 CFR 1910.1001-1053).
Clean Air Act:	Not regulated under section 112 Hazardous Air pollutants (HAPs) list or Section 112(r) Accidental Release Prevention (40 CFR 68.130).
Safe Drinking Water Act:	Not regulated.
Canada (DSL):	Listed.
Canada (NDSL):	Not listed.
EU (EINECS):	Listed.
EU (ELINCS):	Not listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS):	Not listed.
Philippines (PICCS):	Listed.
Korea (ECL):	Listed.
Taiwan (TCSI):	Listed.
New Zealand (NZIoC):	Listed.
California Prop 65:	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov .

16 OTHER INFORMATION

Revision Date:	11-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 suitability & completeness of such information for his own particular use.