

Sodium Cocoyl Isethionate


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Sodium Cocoyl Isethionate	Distributor:	MakingCosmetics Inc.
Synonyms:	Coconut fatty acid isethionate, sodium salt	Address:	10800 231 st Way NE
INCI Name:	Sodium Cocoyl Isethionate		Redmond, WA 98053 (USA)
CAS Number:	61789-32-0	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	No data available	Web:	www.makingcosmetics.com
Product Form:	Flakes or powder		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Eye irritation Category 2A Combustible dust												
GHS Signal Word:	WARNING												
GHS Hazard Pictograms:													
GHS Hazard Statements:	H319: Causes serious eye irritation. May form combustible dust concentrations in air.												
GHS Precautionary Statements:	P264: Wash hands thoroughly after handling. P280: Wear eye protection/face protection. P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P243: Take precautionary measures against static discharge. P233: Keep container tightly closed. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention.												
Potential Health Hazards:	Eyes: Causes eye irritation. Inhalation: No data available. Skin: May be slightly irritating to the skin. Ingestion: May cause irritation if swallowed.												
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Flammability</td> <td>3</td> <td>Serious</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	2	Moderate	Flammability	3	Serious	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	2	Moderate											
Flammability	3	Serious											
Reactivity	0	Minimal											
Specific Hazard	N/A												

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Sodium Cocoyl Isethionate	61789-32-0	80-90%	Not Available

Actual concentration is withheld as a trade secret.

4 FIRST AID MEASURES

Eyes:	Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.
Inhalation:	Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.
Skin:	Remove/take off immediately all contaminated clothing. Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed Do Not Induce Vomiting! Give large quantities of water, if available give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (foam, water spray jet) for adjacent fire. Do not use dry powder, carbon dioxide (CO ₂), high volume water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	>212° F / >100° C
Specific hazards arising from the chemical:	In case of fire hazardous decomposition products may be produced such as sulphur trioxide. Emits toxic and corrosive fumes under fire conditions. Risk of dust explosion in fine crystalline powder form. See also Stability and Reactivity section.
Further information:	Apply alcohol-type or all purpose-type foams by manufactures' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not direct a solid stream of water or foam into hot burning pools; this may cause frothing and increase fire sensitivity.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Avoid dust formation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment. If dry, sweep up or shovel up and place in appropriate waste disposal containers. If molten, collect on suitable absorbent and place in appropriate waste disposal containers. Cleanup may be accomplished by flushing with water and collecting cleaning wastes for disposal or by removal of contaminated soils for disposal.
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:	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:	Store in cool, dry area. Avoid excessive heat. Keep away from sources of heat, sparks, or open flames. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
Conditions for safe storage, incl. any incompatibilities:	Store in original container. Keep container closed. Keep away from heat, direct sunlight, and 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>
Sodium Cocoyl Isethionate	Not available		

TWA: Time Weighted Average over 8 hours of work.

STEL: Short Term Exposure Limit during x minutes.

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

IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes: Safety glasses or chemical splash goggles.
Inhalation: Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.
Body: Butyl rubber, PVC or Neoprene gloves. Dermal contact should be prevented through the use of impervious clothing, footwear, and a face shield where splattering may occur.
Other: Avoid contact with skin and eyes. Do not breathe dust. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Flakes	Vapor Pressure:	<0.001 mbar (77° F / 25° C)
Odor:	Characteristic	Vapor Density:	Not tested
Odor Threshold:	Not tested	Evaporation Rate:	Not tested
Color:	White	Flammability:	Not determined
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not applicable
pH (5% in distilled water):	5.0-6.5	Flash Point:	>212° F / >100° C
Boiling Point:	>392° F / >200° C	Specific Gravity @ 25° C:	1.05-1.20
Melting Point:	354-356° F / 179-180° C	Solubility:	Water: practically insoluble (68° F / 20° C) Other solvents: slightly soluble
No data available	650-800 g/L	Auto-Ignition Temperature:	Not applicable
Partition Coefficient: n-octanol/water:	Log P _{ow} : -0.41	Decomposition Temperature:	595° F / 313° C
Viscosity:	Not tested	Explosive Properties:	No data available
Oxidizing Properties:	Not oxidizing	Freezing Point:	No data available
Self-Ignition:	464° F / 240° C	Burning Number:	3 - Local combustion without spreading
Density:	0.471-0.574 g/cm ³	Bulk Density:	500 kg/m ³
Dust Explosion Class:	ST1 Capable of dust explosion	Minimum Ignition Energy:	Not tested
Particle Size:	Not tested		

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use
Chemical Stability:	Stable
Hazardous Polymerization:	Dust can form an explosive mixture in the air
Conditions to Avoid:	Keep away from heat and sources of ignition
Incompatible Materials:	Not known
Hazardous Decomposition Products:	No decomposition if stored and applied as directed

11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact Skin contact Inhalation
Acute Toxicity:	No data available

Skin:	Not tested
Eyes:	Irritating (OECD Test Guideline 405) Causes serious eye irritation.
Respiratory:	Not tested
Ingestion:	LD50: >2,000 mg/kg (OECD Test Guideline 401)
Carcinogenicity:	Not classified as carcinogenic by IARC, OSHA, or NTP.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Not mutagenic in Ames Test
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	This substance or mixture is not classified as a specific target organ toxicant, single exposure or repeated exposure.
Reproductive Toxicity:	1000 mg/kg bw/day. No evidence of adverse effects on sexual function and fertility, or on development.
Respiratory/Skin Sensitization:	Did not cause sensitization (OECD Test Guideline 406)
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No skin irritation (OECD Test Guideline 404)
Repeated Dose Toxicity:	Causes serious eye damage

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	<u>Product:</u> LC50: 10-100 mg/L (96h) (Danio rerio) (OECD Test Guideline 203) <u>Components</u> (Coconut fatty acid isethionate-sodium salt): LC50: 9.9 mg/L (96h) (Oncorhynchus mykiss) End point: mortality (semi-static test) GLP: Yes (OECD Test Guideline 203)
Aquatic Invertebrate:	<u>Product:</u> EC50: 30 mg/L (48h) (Daphnia magna) (DIN 38412 T.11) <u>Components</u> (Coconut fatty acid isethionate-sodium salt): EC50: 48 g/mL (48h) (Daphnia magna) End point: Immobilization (static test) GLP: Yes (OECD Test Guideline 201)
Terrestrial:	<u>Product:</u> EC50: 0.3 mg/L (72h) (Pseudokirchnerella subcapitata) (OECD Test Guideline 201) EC50: >1000 mg/L (Microorganisms) (OECD Test Guideline 209) <u>Components</u> (Coconut fatty acid isethionate-sodium salt): ErC50: 4.8 mg/L (72h) (Pseudokirchnerella subcapitata) End Point: Growth rate (static test) Analytica monitoring: Yes GLP: Yes (OECD Test Guideline 201) NOEC: 0.31 mg/L (72h) (Pseudokirchnerella subcapitata) End Point: Growth rate (static test) Analytica monitoring: Yes GLP: Yes (OECD Test Guideline 201) EC50: >687 mg/L (3h) (activated sludge) End point: Bacteria toxicity (respiration inhibition) (static test) GLP: No (OECD Test Guideline 209)
Persistence and Degradability:	<u>Product:</u> Biodegradation: >80% (28d) (OECD Test Guideline 301E) <u>Components</u> (Coconut fatty acid isethionate-sodium salt):

Biodegradation: 78% (28d) (OECD Test Guideline 301D)
 Inoculum: activated sludge (aerobic)
 Concentration: 2 mg/L
 BOD Result: Readily biodegradable
 GLP: Yes

Bioaccumulative Potential: Product: Due to the low logPow bioaccumulation is not expected.
Components (Coconut fatty acid isethionate-sodium salt):
 Partition coefficient: n-octanol/water: logPow: -0.41 (68°F / 20°C)
 pH: 7
 GLP: No

Mobility in Soil: Components (Coconut fatty acid isethionate-sodium salt):
 Koc: 1451, log Koc: 3.2 (OECD Test Guideline 106)
 Medium: water - soil (adsorption)

PBT and vPvB Assessment: The substance does not meet the criteria for/is not identified as a PBT or vPvB substance.

Other Adverse Effects: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected

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.
 Waste from residues must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

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.
 Packaging that cannot be cleaned should be disposed of as product waste.

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 a dangerous good
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good
IATA (International Air Transport Association):	Not regulated as a dangerous good
ICAO (International Civil Aviation Organization):	No data available

15 REGULATORY INFORMATION

TSCA Inventory Status: All components are compliant with the TSCA Inventory Notification (Active) rule. All components are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations.
 All components are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FIFRA and must comply with the FIFRA regulations.

DSCL (EEC): No data available
WHMIS (Canada): No data available
EU EINECS/ELINCS/NLP: No data available
China IECSC: No data available
China IECIC (06.30.2014): No data available

Australia AICS:	No data available
EPCRA:	Emergency Planning and Community Right-to-Know Act. No data available
CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304 EHS RQ:	This material does not contain any components with a section 304 Extremely Hazardous Substances Reportable Quantity.
SARA 302 EHS TPQ:	This material does not contain any components with a section 302 Extremely Hazardous Substances Threshold Planning Quantity.
SARA 311/312 Hazards:	Combustible dust Serious eye damage or eye irritation
SARA 313:	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.
Clear Water Act:	This product does not contain any toxic pollutants listed under the US Clean Water Act Section 307.

16 OTHER INFORMATION

Revision Date:	01/08/2021
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 suitability & completeness of such information for his own particular use.