Sodium Cocoyl Isethionate

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

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1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Sodium Cocoyl Isethionate
Synonyms: No data available
INCI Name: Sodium Cocoyl Isethionate, Fatty acids (C8-18), Sodium Isethionate, MEG-ester, Water
CAS Number: 61789-32-0, 90990-08-2, 1562-00-1, 7732-18-5
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

Classification: Eye irritation: Category 2A
Chronic aquatic toxicity: Category 3

Signal Word: Not a dangerous substance according to GHS.

Hazard Pictograms:

Hazard Statements:
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:
P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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.
P501: Dispose off contents/container in accordance with local/regional/national/ international regulations.

Potential Health Hazards:
Eyes: Causes serious eye irritation
Inhalation: May be an irritant.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, and 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

Component	CAS No.	Weight %	Molecular Weight
Sodium Cocoyl Isethionate	61789-32-0	≥85%	Not Available
Fatty acids (C8-18)	90990-08-2	≤10%	Not Available
Sodium Isethionate	1562-00-1	≤5%	Not Available
MEG-ester	Not Available	≤4%	Not Available
Water	7732-18-5	≤1.5%	Not Available
Butylated Hydroxytoluene	128-37-0	≤0.1	Not Available

4 FIRST AID MEASURES

Eyes:	Causes serious eye irritation. Flush with water for at least 15 minutes under running water with eyelids held open. Consult the doctor, if necessary. Treat symptomatically.
Inhalation:	Remove to fresh air. Seek medical attention, if necessary. Treat symptomatically.
Skin:	Product is slightly irritating. Wash with soap and water for at least 15 minutes. Seek medical advice, if necessary. Treat symptomatically.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Immediately rinse mouth and then drink water (two glasses at most). If feeling unwell, after accidental swallowing, consult the doctor. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (dry chemical powder, carbon dioxide, water spray, foam) for surrounding environment and adjacent fire. Do not use high volume water jet, which may spread fire
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	Not applicable.
Specific hazards arising from the chemical:	Development of hazardous combustion products like oxides of carbon and sulfur possible in the event of fire. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Wash hands after exposure with the product. Avoid breathing dust. Avoid contact with skin, eyes and clothing. 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:	Collect in suitable and properly labeled container. Avoid dust formation. Dispose of collected material in accordance with regulations. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Do not use hooks for handling bags. Use personal protective equipment while charging the material. Take precautionary measures against electrostatic discharges. To avoid dusting, keep minimum distance between bag and the hopper. Use proper dust collection system to avoid particle contamination in the production area. Use only with adequate ventilation. Follow safe procedures for loading and un-loading of product. 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 the material in a clean, dry place at below ≤113ºF (≤45˚C) away from direct heat and sunlight. Keep the bags tightly closed. Soft, easily breakable agglomerates may be formed on storage. Once the bag is opened, consume the product within a week. In original sealed condition, when stored as suggested the shelf life of the product is two years. Product will not deteriorate, if stored at ≤113ºF (≤45˚C). However, it may hydrolyze at temperature 212ºF (100˚C) and in highly alkaline/acidic condition. Stacking of paper bags: Palletized:1+1 during transport and single pallet during storage, on ground or in rack. Non-palletized:1+7 while transport (only in case of domestic/local dispatches) and no stacking during storage. Stacking of Jumbo bag (with crate): 1+1, both while transport as well as during storage. Suitable packing material includes paper bags with HDPE liner or jumbo bags. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Country
Butylated Hydroxytoluene (CAS: 128-37-0)	10 mg/m³	TWA	Austria
	2 mg/m³ (Inhalable fraction and vapor)	TWA	Belgium
	10 mg/m³	TWA	Denmark

10 mg/m³	TWA	Finland
10 mg/m³	TWA	France
10 mg/m³ (inhalable aerosol and vapor)	TWA	Germany (AGS)
10 mg/m³ (inhalable fraction and vapor)	TWA	Germany (DFG)
2 mg/m³	TWA	Ireland
10 mg/m³	TWA	Spain
10 mg/m³	TWA	United Kingdom
20 mg/m³	STEL	Denmark
20 mg/m³ (15 minutes average value)	STEL	Finland
40 mg/m³ (Inhalable aerosol/ vapor) (15 min reference)	STEL	Germany (AGS)
40 mg/m³ (Inhalable fraction/ vapor) (15 min average value)	STEL	Germany (DFG)

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 goggles.
Inhalation: Dust mask required when dust is generated.
Body: Wear suitable rubber gloves, an apron, and shoes.
Other: Use good personal hygiene practices. Proper plant design, technical measures and working operations should minimize human exposure. Do not discharge into drains, surface water, or ground water. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White flakes, granules, noodles, powder or needles	**Vapor Pressure:**	No data available
Odor:	Fatty	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Off-white to pale yellow	**Flammability:**	Not flammable
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	Not applicable
pH at 25°C:	5.0 - 7.0 (5% in distilled water)	**Flash Point:**	Not applicable
Boiling Point:	>572ºF (>300°C)	**Specific Gravity:**	No data available
Melting Point:	≥392ºF (≥200°C)	**Solubility:**	Water: Moderately soluble
Bulk Density:	580 - 640 g/l	**Auto-Ignition Temperature:**	None up to 400°C
Relative Density:	No data available	**Decomposition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Explosive Properties:**	Not explosive
Viscosity:	Not applicable	**Decomposition:**	Will decompose with boiling
Oxidizing Properties:	Not oxidizing	**Decomposition Temperature:**	572ºF (>300°C)

10 STABILITY AND REACTIVITY

Reactivity: No hazardous reactions, if stored and handled as prescribed.
Chemical Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Hazardous Polymerization: No data available.
Conditions to Avoid: Sunlight, heat, flame and other sources of ignition.
Incompatible Materials: Do not subject to acids, alkali and oxidizing agents.
Hazardous Decomposition Products: Will not form, if stored or handled as prescribed.
Possible Hazardous Reactions: Not anticipated when used or handled as prescribed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Slightly irritant. COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: (Rabbit) Not classified. Slightly irritant (Equivalent or similar to OECD Guideline 404). COMPONENT: 2,6-di-tert-butyl-p-cresol: (Rat) LD50: >2000 mg/kg bw (male/female) (OECD Guideline 402). Not irritating.
Eyes:	Causes eye irritation. COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: (Rabbit) Irritating (OECD Guideline 405). COMPONENT: 2,6-di-tert-butyl-p-cresol: (Rabbit) Not irritating (OECD Guideline 405).
Inhalation:	COMPONENT: 2,6-di-tert-butyl-p-cresol: (Mouse) Acute inhalation toxicity: RD50 (30 min): about 546 mg/m3.
Ingestion:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: (Rat) Acute oral toxicity LD50: > 2000 mg/kg bw (OECD Guideline 401). COMPONENT: 2,6-di-tert-butyl-p-cresol: (Rat) Acute oral toxicity LD50: > 6000 mg/kg bw (male/female) (OECD Guideline 401).
Carcinogenicity:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Carcinogenicity not expected. COMPONENT: 2,6-di-tert-butyl-p-cresol: Not classified.
Likely Route of Exposure:	Dermal, inhalation and oral.
Germ Cell Mutagenicity:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Mammalian cell gene mutation assay (In vitro): Negative (OECD Guideline 476). Bacterial reverse mutation assay (In vitro): Negative (Equivalent or similar to OECD Guideline 471). In vitro mammalian chromosome aberration test: Negative (Equivalent or similar to OECD Guideline 473). COMPONENT: 2,6-di-tert-butyl-p-cresol: Negative.
Single Exposure (STOT):	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Not classified. COMPONENT: 2,6-di-tert-butyl-p-cresol: Not classified.
Repeated Exposure (STOT):	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Not classified. (Rat, Oral) Repeated dose toxicity: NOAEL: ≥ 1000 mg/kg bw/day (Equivalent or similar to OECD Guideline 407). Not classified. COMPONENT: 2,6-di-tert-butyl-p-cresol: (Rat, Dermal) Repeated dose toxicity: NOAEL: ≥ 2070 mg/kg bw/day (OECD Guideline 410) Not classified.
Reproductive Toxicity:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: (Rat) Toxicity to reproduction: NOAEL: 1000 mg/kg bw/day (OECD Guideline 421) Read-across approach. Not classified. (Rat) Developmental toxicity/maternal toxicity: NOEL: 1000 mg/kg bw/day (OECD Guideline 414) COMPONENT: 2,6-di-tert-butyl-p-cresol: (Rat) Maternal toxicity: NOAEL: 93.5 mg/kg bw/day Developmental toxicity (Rat): NOAEL: 375 mg/kg bw/day (Equivalent or similar to OECD Guideline 414). Not classified.
Respiratory/Skin Sensitization:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Not sensitizing (EU Method B.6 / OECD Guideline 406) COMPONENT: 2,6-di-tert-butyl-p-cresol: No sensitization.
Aspiration Hazard:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Not classified. COMPONENT: 2,6-di-tert-butyl-p-cresol: Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: (Oncorhynchus mykiss) Short term toxicity: LC50; 96 hours: > 25 mg/l (Equivalent or similar to OECD Guideline 203). COMPONENT: 2,6-di-tert-butyl-p-cresol: (Fish) Short term toxicity: $LC_{50;}$ 96 hours: 0.199 mg/l (QSAR method). (Oryzias latipes) Long term toxicity: NOEC; 30 days: 0.053 mg/l (OECD Guideline 210).
Aquatic Invertebrate:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts (Daphnia magna) Short term toxicity: EC50; 48 hours: > 32 mg/l. NOEC; 48 hours: ≥32 mg/l (OECD Guideline 202). COMPONENT: 2,6-di-tert-butyl-p-cresol: (Daphnia magna) Short term toxicity: EC50 8 hours: 0.48 mg/l (OECD Guideline 202/EU Method C.2). (Daphnia magna) Long term toxicity: NOEC; 21 days: 0.069 mg/l (OECD Guideline 211).
Aquatic Algae:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts (Pseudokirchneriella subcapitata) EC50; 72 hours: ≥ 1.87 mg/l. NOEC; 72 hours: ≥ 0.31 mg/l (OECD Guideline 201).

	COMPONENT: 2,6-di-tert-butyl-p-cresol: EC50; 96 hours: 0.758 mg/l (QSAR method) (Pseudokirchneriella subcapitata) EC50; 72 hours: > 0.24 mg/l (based on growth rate) NOEC; 72 hours: 0.24 mg/l (based on growth rate) (OECD Guideline 201).
Persistence and Degradability:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Readily biodegradable; 78% after 28 days (O_2 consumption) OECD Guideline 301 D (Closed Bottle Test). COMPONENT: 2,6-di-tert-butyl-p-cresol: Not readily biodegradable; 4.5% BOD/ThOD after 28 days (Equivalent or similar to OECD Guideline 301 C).
Bioaccumulative Potential:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: BCF: 58 (calculated using the BCFBAF 3.0 submodule of Epiwin 4.1.) Log Pow: -0.41, a low potential for bioaccumulation is expected. COMPONENT: 2,6-di-tert-butyl-p-cresol: BCF: 598.4 (EPI-Suite, BCFWIN v2.17).
Mobility in Soil:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Adsorption co-efficient: Koc: 1451 l/kg (OECD Guideline 106/ Equivalent or similar to EPA OPPTS 835.1110 (Activated Sludge Sorption Isotherm)). COMPONENT: 2,6-di-tert-butyl-p-cresol: Adsorption coefficient: Koc: 23030 (EPI-Suite, EPA (USA) / PCKOCWIN v1.66) Adsorption coefficient: Koc: 14750 (QSAR estimation: KOCWIN v2.00: Koc estimate from MCI) BHT is expected to adsorb to the solid soil phase.
PBT and vPvB Assessment:	COMPONENT: Fatty acids, coco, 2-sulfoethyl esters, sodium salts: Not considered to be PBT or vPvB. COMPONENT: 2,6-di-tert-butyl-p-cresol: Not considered to be PBT or vPvB.
Other Adverse Effects:	No data 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.
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 change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	No data available.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not classified as dangerous goods as per transport regulation.
IATA (International Air Transport Association):	Not classified as dangerous goods as per transport regulation.
ICAO (International Civil Aviation Organization):	Not classified as dangerous goods as per transport regulation.
ADN (Inland Waterway Transportation):	Not classified as dangerous goods as per transport regulation.
ADR/RID (Road and Rail Transportation):	Not classified as dangerous goods as per transport regulation.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available.
Chemical Safety Assessment:	No Chemical Safety Assessment has been carried out for the product.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date: 07-Nov-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.