

Sodium Cocoyl Isethionate DCG


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

Product Name:	Sodium Cocoyl Isethionate DCG	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Disodium Cocoyl Glutamate, Sodium Cocoyl Isethionate, Sodium Chloride, Sodium Cocoate, Sodium Glutamate		
CAS Number:	68187-30-4, 61789-32-0, 7647-14-5, 61789-31-9, 142-47-2	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	No data available	Web:	www.makingcosmetics.com
Product Form:	Solid (Flakes)		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

Classification:	Eye irritation Category 2A Acute aquatic toxicity Category2 Chronic aquatic toxicity Category 3		
Signal Word:	WARNING!		
Hazard Pictograms:			
Hazard Statements:	H319: Causes serious eye irritation. H401: Toxic to aquatic life. 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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Disodium Cocoyl Glutamate	68187-30-4	42 - 50%	Not Available
Sodium Cocoyl Isethionate	61789-32-0	18 - 24%	Not Available
Sodium Chloride	7647-14-5	10 - 14%	Not Available
Sodium Cocoate	61789-31-9	10 - 14%	Not Available
Sodium Glutamate	142-47-2	5 - 10%	Not Available
Water	7732-18-5	≤4%	Not Available

4 FIRST AID MEASURES

Eyes:	Flush for at least 15 minutes under running water with eyelids held open forcibly. Seek medical advice, if necessary.
Inhalation:	Remove victim to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin:	Flush with water for at least 15 minutes. Seek medical advice, if necessary.
Ingestion:	Immediately rinse mouth and then drink plenty of water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention, if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved 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, nitrogen, sulfur, and various hydrocarbons is possible in the event of fire. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. Wash hands after exposure with the product. Avoid contact with skin, eyes, and clothing. Avoid dust. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Do not discharge into drains or waterways. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	In case of spillage, collect all the material in suitable and properly labeled container. Flush the area with water. Avoid dust formation. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Follow general occupational hygiene such as, wash hands after use. Do not eat, drink, or smoke in work areas. Remove contaminated clothing. Avoid spills. Avoid dust formation. Follow safe procedures for loading and un-loading product. 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 cool, dry well-ventilated area at 20-40°C, away from moisture, heat, and sunlight. Keep containers tightly closed. In original sealed containers, when stored as suggested, the shelf life of the product is 18 months. Since product is hygroscopic in nature, once drum is opened, consume the product immediately. Storage or handling the product at temperatures above 40°C is not recommended as it could result in product deterioration. Stacking of Fibre drums (palletized): Single, both during transport and storage. Suitable packing materials: Fibre carboard drums with liner. Unsuitable packing materials: Steel. Keep away from heat 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 DCG	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:	Safety goggles should be worn.
Inhalation:	Dust mask should be worn.

Body:	Apron, rubber gloves, shoes should be worn.
Other:	Proper plant design, technical measures, and working operations should minimize human exposure. 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:	Flakes	Vapor Pressure:	Not applicable
Odor:	Fatty	Vapor Density:	Not applicable
Odor Threshold:	No data available	Evaporation Rate:	No evaporation
Color:	Off-white	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH (5% aq. sol. at 25 °C):	7.5 - 8.5	Flash Point:	Not applicable
Boiling Point:	Not applicable	Specific Gravity at 25 °C:	1.05 - 1.20
Melting Point:	>212°F (>100°C)	Water Solubility:	300 g/L above 25 °C
Relative Density:	No data available	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:	No data available
Oxidizing Properties:	No data available	Bulk Density:	300 - 500 g/L

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:	Not anticipated when used or handled as prescribed.
Conditions to Avoid:	Moisture, sunlight, heat, flame, and other sources of ignition.
Incompatible Materials:	Strong acids, strong alkali, oxidizing, and reducing agents.
Hazardous Decomposition Products:	Will not form, if stored and handled as prescribed.
Possible Hazardous Reactions:	No hazardous reactions, if stored and handled as prescribed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Disodium Cocoyl Glutamate: (Rat) LD50: >5000 mg/kg (OECD Guideline 402)
Eyes:	Causes serious eye irritation. Disodium Cocoyl Glutamate: (Rabbit) Irritating (OECD Guideline 405) (read-across approach) Sodium Cocoyl Isethionate: (Rabbit) Irritating (OECD Guideline 405)
Inhalation:	No data available
Ingestion:	Disodium Cocoyl Glutamate: (Rat) LD50: >2000 mg/kg bw (OECD Guideline 401) (read-across approach). Sodium Cocoyl Isethionate: (Rat) LD50: ≥4.33 g/kg bw.
Likely Routes of Exposure:	Oral, dermal and inhalation.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Disodium Cocoyl Glutamate: Mammalian cell gene mutation assay (in vitro): Negative (OECD Guideline 476) Bacterial reverse mutation assay (in vitro): Negative (OECD Guideline 471) In vitro mammalian chromosome aberration test: Negative (OECD Guideline 487) Sodium Cocoyl Isethionate: Mammalian cell gene mutation assay (in vitro): Negative (OECD Guideline 476) Bacterial reverse mutation assay (in vitro): Negative (OECD Guideline 471) In vitro mammalian chromosome aberration test: Negative (OECD Guideline 487)
Specific Target Organ Toxicity:	Not classified. Sodium Cocoyl Isethionate: NOAEL: ≥1000 mg/kg bw/day (Equivalent or similar to OECD Guideline 407)
Reproductive Toxicity:	Not classified. Disodium Cocoyl Glutamate: (Rat) Developmental toxicity / teratogenicity: NOAEL: ≥2000 mg/kg

	bw/day (Equivalent or similar to OECD Guideline 408)
	Sodium Cocoyl Isethionate: (Rat) Toxicity to reproduction: NOAEL: 1000 mg/kg bw/day (OECD Guideline 421) (read-across approach)
	Developmental toxicity / maternal toxicity: NOEL: 1000 mg/kg bw/day (OECD Guideline 414) (read-across approach)
Respiratory/Skin Sensitization:	Disodium Cocoyl Glutamate: (Guinea pig) Non sensitizing (OECD Guideline 406) (read-across approach)
	Sodium Cocoyl Isethionate: (Guinea pig) Not sensitizing (EU Method B.6 / OECD Guideline 406)
Skin Corrosion/Irritation:	Disodium Cocoyl Glutamate: (Rabbit) Not irritating. (OECD Guideline 404) (read-across approach)
	Sodium Cocoyl Isethionate: (Rabbit) Not classified. Slightly irritant (Equivalent or similar to OECD Guideline 404)
Irritation:	Disodium Cocoyl Glutamate: Not irritating (OECD Guideline 404) (read-across approach)
Repeated Dose Toxicity:	Disodium Cocoyl Glutamate: (Rat) Ingestion: NOAEL: ca. 1200 mg/kg bw/day (Equivalent or similar to OECD Guideline 408)
	Sodium Cocoyl Isethionate: (Rat) NOAEL: ≥2070 mg/kg bw/day (OECD Guideline 410)
Aspiration Hazard:	Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	Disodium Cocoyl Glutamate: Short-term toxicity (<i>Leuciscus idus</i>): LC50: 62.4 mg/L (96h) (active ingredient) (OECD Guideline 203/Equivalent or similar to EU Method C.1) (read-across approach)
	Sodium Cocoyl Isethionate: Short-term toxicity (<i>Oncorhynchus mykiss</i>): LC50: >25 mg/L (96h) (Equivalent or similar to OECD Guideline 203)
Aquatic Invertebrate:	Disodium Cocoyl Glutamate: Short-term toxicity (<i>Daphnia magna</i>): EC50: 49 mg/L (48h) (active ingredient) (OECD Guideline 202) (read-across approach)
	Long-term toxicity (<i>Daphnia magna</i>): NOEC: ≥5.5 mg/L (21d) (active ingredient) (OECD Guideline 211)
	Sodium Cocoyl Isethionate: Short-term toxicity (<i>Daphnia magna</i>): EC50: >32 mg/L (48h) (OECD Guideline 202)
Terrestrial:	Disodium Cocoyl Glutamate: (<i>Desmodesmus subspicatus</i>): EC50: 32.56 mg/L (72h) (based on biomass) (active ingredient) NOEC: 11.25 mg/L (72h) (based on biomass) (active ingredient) EC50: >750 mg/L (based on growth rate) (test material) (EU Method C.3 / Equivalent or similar to OECD Guideline 201) (read-across approach)
	Sodium Cocoyl Isethionate: (<i>Pseudokirchneriella subcapitata</i>): EC50: ≥1.87 mg/L NOEC: ≥0.31 mg/L (OECD Guideline 201) (read-across approach)
Persistence and Degradability:	Disodium Cocoyl Glutamate: Readily biodegradable; 94.4% after 28d (DOC removal) (OECD Guideline 301 (Ready biodegradability: Modified OECD Screening Test)) (read-across approach)
	Sodium Cocoyl Isethionate: Readily biodegradable; 78% after 28d (O ₂ consumption) (OECD Guideline 201) (Ready Biodegradability: Closed Bottle Test)
Bioaccumulative Potential:	Disodium Cocoyl Glutamate: Log Pow: ≤ -4.48 at 20°C (OECD Guideline 107)
	Sodium Cocoyl Isethionate: Log Pow: -0.41, a low potential for bioaccumulation is expected.
Mobility in Soil:	Disodium Cocoyl Glutamate: Adsorption coefficient: log K _{oc} : 2.41 @ 25°C (calculation method) (read-across approach)
	Sodium Cocoyl Isethionate: Adsorption coefficient K _{oc} : 1451 L/kg (OECD Guideline 106 / Equivalent or similar to EPA OPPTS 835.1110 (Activated Sludge Sorption Isotherm)) (read-across approach)
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Not known.

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):	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):	Not regulated as a dangerous good.
ADN (Inland Waterway Transportation):	Not regulated as a dangerous good.
ADR/RID (Land Transportation):	Not regulated as a dangerous good.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available.
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:	13-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 suitability & completeness of such information for his own particular use.