

SCI SODIUM COCOYL ISETHIONATE

FICHA DE SEGURIDAD

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifiers SCI SODIUM COCOYL ISETHIONATE
6482
- REACH – Registration No
according to article 20(3): 01 -2119974104 -40 -0013
Chemical nature: Coco fatty acid isethionate, sodium salt
C AS -No. : 61789 -32 -0
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Industry sector :
Industry sector : PersonalCare
Type of use : Surface active agentfor cosmetics
- 1.3 Details of the supplier of the safety data sheet Manufacturer :
Gran Velada.S.L
Pol. Montecillo, Nave 3D, 50520 Magallón (Zaragoza) ESPAÑA Telf. +34 976 86 74 74
contacto@granvelada.com
- 1.4 Emergency telephone number Emergency Phone # :: 91 562 04 20

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Warning

Hazard statements :

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continuerinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.
 Disposal:
 P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture contains no component considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain component considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain component considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Risk of dust explosion.

No additional hazards are known except those derived from the labelling.

3. Composition/information on ingredients

3.1 Substance name: Coco fatty acid isethionate, sodium salt
 CAS -No.: 61789-32-0

Components

Chemical name	CAS -No. EC -No.	Concentration (%w/w)	M-Factor, SCL, ATE
Coconut fatty acid isethionatesodium salt	61789-32-0 263-052-5	>= 8 - <= 100	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take Precautions to protect themselves.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms irritant effects

Risks Direct contact with eyes may cause temporary irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of immediate medical attention and special Treatment needed Treat symptomatically.

- CONTINÚA EN LA SIGUIENTE PÁGINA -

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Unsuitable extinguishing media Dry powder Carbon dioxide (CO₂), High volume water jet

Suitable extinguishing media Water spray jet Foam

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting In case of fire hazardous decomposition products may be produced such as: Sulphur dioxide, Sulphur trioxide

5.3 Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Wear suitable protective equipment. Avoid dust formation.

6.2 Environmental precautions

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

Methods and materials for containment and cleaning up Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

6.4 Reference to other sections

Information regarding safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.

7.3 Specific end use(s)

No further recommendations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

- CONTINÚA EN LA SIGUIENTE PÁGINA -

Substance name	End Use	Exposure routes	Potential health effects	Value
Coconutfattyacid isethionatesodiumsalt CAS -No.: 61789-32-0	Workers	Inhalation	Long-term systemic effects	62,5 mg/m ³
Remarks:	DNEL			
	Workers	Dermal	Long-term systemic effects	28,75 mg/kg bw/day
Remarks:	DNEL			
	Consumers	Inhalation	Long-term systemic effects	18,5 mg/m ³
Remarks:	DNEL			
	Consumers	Dermal	Long-term systemic effects	17,3 mg/kg bw/day
Remarks:	DNEL			
	Consumers	Oral	Long-term systemic effects	10,7 mg/kg bw/day
Remarks:	DNEL			

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Coconutfattyacid isethionate sodiumsalt CAS -No.: 61789-32-0	Fresh water	4,8 µg/l
	salt water	0,48 µg/l
	Water (intermittentrelease)	48 µg/l
	Sewagetreatmentplant	6,87 mg/l
	Fresh water sediment	714 µg/kg sedimentdw
	Marine sediment	71,4 µg/kg sedimentdw
	Soil	0,1394 mg/kgdry weight(d.w.)
	SecondaryPoisoning	94,7 mg/kgfood

8.2 Exposure controls

Personal protective equipment

Eye protection

Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)

For details, see the BG -rules number 192.

Hand protection

Remarks

Long-term exposure Impervious butyl rubber gloves Minimum thickness (glove): not determined With solid dry substances permeation is not to be expected, therefore the breakthrough time for this protective glove has not been measured.

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Remarks	For short-term exposure (splash protection): Nitrile rubber gloves. Minimum thickness (glove): not determined. With solid dry substances permeation is not to be expected, therefore the breakthrough time for this protective glove has not been measured.
Remarks	These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
Skin and body protection	Wear suitable protective equipment.
Respiratory protection	Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure. Full mask to standard DIN EN 136 Respirator with a particle filter (EN 143) The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations.
Protective measures	Avoid contact with skin and eyes. Do not breathe dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid.
Form	Solid.
Color	White.
Odour	No data available.
Odour Threshold	No data available.
pH	5.00-6.50
Viscosity	
Viscosity, dynamic	Not applicable
Viscosity, kinematic	Not applicable
Solubility(ies)	
Water solubility:	(20 °C) practically insoluble
Solubility in other solvents:	slightly soluble
Partition coefficient: n-octanol/water:	log Pow: -0,41
Vapour pressure	No data available.
Density	Not applicable
Bulk density	Not tested.
Relative vapour density	Not tested.
9.2 Other information	
Oxidizing properties:	not oxidizing

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Flammable solids	
Burning number:	No data available.
Self-ignition:	No data available.
Metal corrosion rate:	Not applicable
Dust explosion class:	nottested.
Evaporation rate:	nottested.
Minimum ignition energy:	30-100mJ
Melting point/freezing point	
Melting point/range	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas) Upper/lower flammability or explosive limits	No data available.
Partition coefficient: (n-octanol/water)	No data available.
Autoignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Other information	
Explosive properties	No data available.
Molecular formula	CH ₃ (CH ₂) _n CH ₂ COOC ₂ H ₄ SO ₃ Na
Molecular weight	343/mol.
Oxidizing properties	No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	The product is stable and nonreactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	No dangerous reaction known under conditions for normal use.
10.4 Conditions to avoid	Contact with incompatible materials.
10.5 Incompatible materials	No data available.
10.6 Hazardous decomposition products	No data available.

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11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity

Acute toxicity

Product:

Acute oral toxicity: LD50 (Rat): > 2.000 mg/kg Method:
OECD Test Guideline 401

Acute inhalation toxicity: Remarks: not tested.

Components:

Coconut fatty acid isethionate-sodium salt:

Acute oral toxicity: LD50 (Rat, male and female): > 2.000 g/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity: Remarks: no data available

Acute dermal toxicity: Remarks: no data available

Acute dermal toxicity: Remarks: no data available

Skin corrosion/irritation

Product:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Components:

Coconut fatty acid isethionate -sodium salt:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: no

Serious eye damage/eye irritation

Product:

Species: rabbit eye
Method: OECD Test Guideline 405
Result: irritating

Components:

Coconut fatty acid isethionate -sodium salt:

Species: Rabbit

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Method: OECD Test Guideline 405
Result: Irritating to eyes.
GLP: yes
Respiratory or skin sensitisation
Product:
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Did not cause sensitisation on laboratory animals.
Components:
Coconut fatty acid isethionate -sodium salt:
Test Type: Guinea pig maximization test
Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Not a skin sensitizer.
GLP: yes

Assessment: Causes serious eye irritation.

Germ cell mutagenicity

Product:

Germ cell mutagenicity -
Assessment: : Not mutagenic in Ames Test

Components:

Coconut fatty acid isethionate-sodium salt:

Genotoxicity in vitro:
Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes
Test Type: In vitro gene mutation study in mammalian cells
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes
Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

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Germ cell mutagenicity -
Assessment: Test Type: Micronucleus test
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 487
Result: negative
In vitro tests did not show mutagenic effects

Carcinogenicity

Product:

Carcinogenicity - Assessment: No information available.

Components:

Coconut fatty acid isethionate -sodium salt:

Carcinogenicity - Assessment: No information available.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment: No information available.

Components:

Coconut fatty acid isethionate -sodium salt:

Effects on fertility:

Test Type: One generation study

Species: Rat, male and female

Strain: wistar

Application Route: oral (gavage)

Dose: 100, 300, 1000 mg/kgbw/day

Duration of Single Treatment: 28 - 70 d

General Toxicity - Parent: NOAEL: 1.000 mg/kgbodyweight

Method: OECD Test Guideline 416

GLP: yes

Remarks: By analogy with a product of similar composition

Effects on foetal development

Test Type: Pre-natal Species:

Rat, female Strain: wistar

Application Route: oral (gavage) Dose: 100,

300, 1000 mg/kgbw/d Duration of Single

Treatment: 20 d Frequency of Treatment: 1

daily

General Toxicity Maternal: NOEL: 1.000 mg/kgbodyweight

Developmental Toxicity: NOEL: 1.000 mg/kgbodyweight Method:

OECD Test Guideline 414

GLP: yes

Remarks: By analogy with a product of similar composition

Reproductive toxicity -

No evidence of adverse effects on sexual function and fertility, or on

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Assessment development based on animal experiments.

STOT - single exposure

Product:

Remarks not tested.

Components:

Coconut fatty acid isethionate -sodium salt:

Assessment The substance or mixture is not classified as specific target organotoxicant, single exposure.

STOT - repeated exposure

Product:

Remarks not tested.

Components:

Coconut fatty acid isethionate -sodium salt:

Assessment The substance or mixture is not classified as specific target organotoxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks not tested

Components:

Coconut fatty acid isethionate -sodium salt:

Species Rat, male and female

NOAEL 426 mg/kgbw/day

Application Route oral (gavage)

Exposure time 91 - 92 d

Number of exposures daily

Dose 50, 200, 1000 mg/kgbw

Control Group yes

Method OECD Test Guideline 408

GLP yes

Remarks By analogy with a product of similar composition

Species Rat, male and female

NOAEL > 2070 mg/kgbw/day

Application Route Dermal

Exposure time 6 hours

Number of exposures once per day for 28 days

Dose 0, 0,08, 0,91, 2,07 g/kg

Control Group yes

Method OECD Test Guideline 410

GLP yes

Remarks By analogy with a product of similar composition

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Species	Rat, male and female
NOEL	>= 1000 mg/kgbw/day
Application Route	oral (feed)
Exposure time	28 d
Number of exposures	daily
Method	OECD Test Guideline 407

Aspiration toxicity

Components:

Coconut fatty acid isethionate-sodium salt:

no data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish

LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 30 mg/l
Exposure time: 48 h
Method DIN 38412 T.11

Toxicity to algae/aquatic plants

EC10 (Pseudokirchneriella subcapitata (algae)): 0,3 mg/l Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to microorganisms

EC50 : > 1.000 mg/l
Method: OECD Test Guideline 209

Components:

Coconut fatty acid isethionate -sodium salt:

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): > 9,9 mg/l
End point: mortality Exposure time: 96 h
Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes
Remarks: The values mentioned are those of the active ingredient.

Toxicity to daphnia and other

EC50 (Daphnia magna (Water flea)): 48 mg/l End point:

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aquatic invertebrates

Immobilization

Exposure time: 48 h Test Type:

static test

Method:OECD Test Guideline 202 GLP: yes

Remarks: By analogy with a product of similar composition

Toxicity to algae/aquatic plants

ErC50 (Pseudokirchneriella subcapitata (green algae)): 4,8 mg/l

End point: Growth rate Exposure

time: 72 h Test Type: static test

Analytical monitoring: yes

Method:OECD Test Guideline 201 GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,31 mg/l

End point: Growth rate

Exposure time: 72 h

Test Type: static test

Analytical monitoring: yes

Method:OECD Test Guideline 201

GLP: yes

Toxicity to microorganisms

EC50 (activated sludge): > 687 mg/l

End point: Bacteria toxicity (respiration inhibition)

Exposure time: 3 h

Test Type: static test

Method:OECD Test Guideline 209

GLP: no

Remarks: The values mentioned are those of the active ingredient.

Toxicity to fish (Chronic toxicity)

Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Remarks: no data available

Ecotoxicology Assessment

Chronic aquatic toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability

Biodegradation: > 80 %

Exposure time: 28 d

Method:OECD Test Guideline 301E

Components

Coconut fatty acid isethionate -sodium salt:

Biodegradability

Test Type: aerobic

loculum: activated sludge

Concentration: 2 mg/l

Result: Readily biodegradable.

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pathways

accumulation in organisms is not expected.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging

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

14. TRANSPORT INFORMATION

ON

Section 14.1. to 14.5.

ADR

notrestricted

ADN

notrestricted

RID

notrestricted

IATA

notrestricted

IMDG

notrestricted

14.6 Special precautions for user

notrestricted

14.7 Maritime transport in bulk according to IMO instruments

notrestricted

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) Not applicable

Council Regulation (EC) No 111/2005 laying down rules for Neither banned nor restricted

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the monitoring of trade between the Community and third countries in drug precursors

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

REACH - List of substances subject to authorisation (Annex XIV) Not applicable

Other regulations:

VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

Occupational restrictions for pregnant and breast feeding women

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road;

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight;

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008;

CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation;

DSL - Domestic Substances List (Canada);

ECHA - European Chemicals Agency;

EC-Number - European Community number;

EC_x - Concentration associated with x% response; EL_x - Loading rate associated with x% response;

EmS - Emergency Schedule;

ENCS - Existing and New Chemical Substances (Japan);

ErC_x - Concentration associated with x% growth rate response;

GHS - Globally Harmonized System;

GLP - Good Laboratory Practice;

IARC - International Agency for Research on Cancer;

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IATA - International Air Transport Association;
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 - Half maximal inhibitory concentration;
ICAO - International Civil Aviation Organization;
IECSC - Inventory of Existing Chemical Substances in China;
IMDG - International Maritime Dangerous Goods;
IMO - International Maritime Organization;
ISHL - Industrial Safety and Health Law (Japan);
ISO - International Organisation for Standardization;
KECI - Korea Existing Chemicals Inventory; LC50
- Lethal Concentration to 50 % of a test population;
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);
MARPOL - International Convention for the Prevention of Pollution from Ships;
n.o.s. - Not Otherwise Specified;
NO(A)EC - No Observed (Adverse) Effect Concentration;
NO(A)EL - No Observed (Adverse) Effect Level;
NOELR - No Observable Effect Loading Rate;
NZIoC - New Zealand Inventory of Chemicals;
OECD - Organization for Economic Co-operation and Development;
OPPTS - Office of Chemical Safety and Pollution Prevention;
PBT - Persistent, Bioaccumulative and Toxic substance;
PICCS - Philippines Inventory of Chemicals and Chemical Substances;
(Q)SAR - (Quantitative) Structure Activity Relationship;
REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail;
SADT - Self-Accelerating Decomposition Temperature;
SDS - Safety Data Sheet;
SVHC - Substance of Very High Concern;
TCSI - Taiwan Chemical Substance Inventory;
TECI - Thailand Existing Chemicals Inventory;
TRGS - Technical Rule for Hazardous Substances;
TSCA - Toxic Substances Control Act (United States);
UN - United Nations;
vPvB - Very Persistent and Very Bioaccumulative

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