

## HOSTAPON SCI 85 C

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Substance key: 000000012534

Revision Date: 09/22/2025

Version : 7 - 0 / USA

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 500 East Morehead Street Charlotte, NC, 28202 Telephone No.: +1 704 331 7000
<b>Information of the substance/preparation:</b>	Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>HOSTAPON SCI 85 C</b>
<b>Material number:</b>	151130
<b>CAS number:</b>	61789-32-0
<b>Synonyms:</b>	Product Has No Synonyms
<b>Primary product use:</b>	Raw material for cosmetics Raw material for detergents
<b>Chemical family:</b>	Coco fatty acid isethionate, sodium salt

## SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Hazards for the product as supplied**

Eye irritation : Category 2A

**Other hazards**

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

**Hazards associated with a change in physical form:**

Conditions	Hazards
If small particles are generated during further processing, handling or by other means.	May form combustible dust concentrations in air.

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

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Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
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. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

Substance name : Coco fatty acid isethionate, sodium salt

CAS-No. : 61789-32-0

**Components**

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
Coconut fatty acid isethionate-sodium salt	61789-32-0*	>= 80 - <= 100	TSC
Fatty acids, C8-18 and C18-unsatd.	67701-05-7*	>= 3 - <= 7	TSC

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

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**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
Get medical advice/ attention if you feel unwell.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.  
Get immediate medical advice/ attention.

Give oxygen or artificial respiration if needed.

In case of skin contact : If on skin, rinse well with water.  
Take off all contaminated clothing immediately.  
If skin irritation occurs, seek medical advice/attention.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

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- for at least 15 minutes.  
Get immediate medical advice/ attention.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.  
The possible health hazards known are those derived from the labelling (see corresponding section) and/or provided in this section.  
Causes serious eye irritation.
- Notes to physician : Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides  
Hydrocarbons  
Sodium oxides  
Sulphur oxides  
Sulphur compounds
- Further information : In the event of fire and/or explosion do not breathe fumes.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.  
Avoid breathing dust.  
Avoid dust formation.  
Wear appropriate protective equipment. If dry, sweep up or shovel up and place in appropriate waste disposal containers. If molten, collect on suitable absorbant 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 : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and cleaning up : Avoid dust formation.  
Non-sparking tools should be used.  
Take measures to prevent the build up of electrostatic charge.  
Sweep up and shovel into suitable containers for disposal.  
Clean contaminated surface thoroughly.  
Treat recovered material as described in the section "Disposal considerations".

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.  
Observe the general rules of industrial fire protection  
Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.  
Dust can form an explosive mixture in air.  
Electrical equipment should be protected to the appropriate standard.  
Cool endangered containers with water spray jet.
- Advice on safe handling : Store in cool, dry area. Avoid excessive heat. Keep away from sources of heat, sparks or open flames.
- Use only with adequate ventilation/personal protection.  
For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid dust formation.

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- Take measures to prevent the build up of electrostatic charge.  
Ensure all equipment is electrically grounded before beginning transfer operations.  
Use only non-sparking tools.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Handle and open container with care.  
Keep away from sources of ignition - No smoking.
- Further information on storage conditions : Store in original container.  
Keep container closed.
- Materials to avoid : When used and handled as intended, none.
- Further information on storage stability : Stable under recommended storage conditions.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

**Personal protective equipment**

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection  
Remarks : Butyl Rubber, PVC Or Neoprene.
- Eye protection : Wear safety glasses with side shields or goggles.  
Do not wear contact lenses.
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
- Protective measures : Observe the usual precautions for handling chemicals.  
Avoid breathing dust or vapour.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Use protective skin cream before handling the product.  
Wash hands before breaks and at the end of workday.  
Take off immediately all contaminated clothing and wash it before reuse.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : flakes

Colour : white

Odour : characteristic

Odour Threshold : not determined

pH : 5 - 6.5  
Concentration: 10 %

Melting point : 354 - 356 °F / 179 - 180 °C

Boiling point : > 392 °F / > 200 °C

Flash point : > 212 °F / > 100 °C

Evaporation rate : not tested.

Flammability (solid, gas) : not determined  
May form combustible dust concentrations in air during processing, handling or other means.

Self-ignition : 464 °F / 240 °C

Burning number : 3  
Local combustion without spreading

Upper explosion limit / upper flammability limit : Does not apply to solids.

Lower explosion limit / Lower flammability limit : Does not apply to solids.

Vapour pressure : < 0.001 mbar (77 °F / 25 °C)

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Relative vapour density	:	not tested.
Density	:	Not applicable
Bulk density	:	0.471 - 0.574 g/cm <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	practically insoluble (68 °F / 20 °C)
Solubility in other solvents	:	slightly soluble
Partition coefficient: n-octanol/water	:	log Pow: -0.41
Auto-ignition temperature	:	Does not apply to solids.
Decomposition temperature	:	595 °F / 313 °C
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Does not apply to solids.
Oxidizing properties	:	not oxidizing
Conductivity	:	1 µS/cm
Dust explosion class	:	St1
Metal corrosion rate	:	no data available
Particle size	:	no data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	Dust can form an explosive mixture in air.
Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	not known
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Skin contact  
Eye contact  
Ingestion  
Inhalation

**Acute toxicity**

Not classified

**Product:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401

**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

**Fatty acids, C8-18 and C18-unsatd.:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: By analogy with a product of similar composition

Acute inhalation toxicity : LC50 (Rat): > 0.1624 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: By analogy with a product of similar composition

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 434  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: By analogy with a product of similar composition

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

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**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

**Fatty acids, C8-18 and C18-unsatd.:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Irritating to skin.  
Remarks : By analogy with a product of similar composition

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

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

**Components:****Coconut fatty acid isethionate-sodium salt:**

Species : Rabbit  
Result : Irritating to eyes.  
Method : OECD Test Guideline 405  
GLP : yes

**Fatty acids, C8-18 and C18-unsatd.:**

Species : rabbit eye  
Result : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
Remarks : By analogy with a product of similar composition

**Respiratory or skin sensitisation****Skin sensitisation**

Based on available data, the classification criteria are not met.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

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**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.

**Fatty acids, C8-18 and C18-unsatd.:**

Remarks : This information is not available.

Assessment : Causes skin irritation., Causes serious eye damage.

**Germ cell mutagenicity**

Not classified

**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

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Result: negative  
GLP: yes

Test Type: Micronucleus test  
Test system: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 487  
Result: negative

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

**Fatty acids, C8-18 and C18-unsatd.:**

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

**Carcinogenicity**

Not classified

**Product:**

Carcinogenicity - Assessment : No information available.

**Components:****Coconut fatty acid isethionate-sodium salt:**

Carcinogenicity - Assessment : No information available.

**Fatty acids, C8-18 and C18-unsatd.:**

Carcinogenicity - Assessment : No information available.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified

**Product:**

Reproductive toxicity - Assessment : No information available.

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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/kg bw/day  
Duration of Single Treatment: 28 - 70 d  
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight  
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/kg bw/d  
Duration of Single Treatment: 20 d  
Frequency of Treatment: 1 daily  
General Toxicity Maternal: NOEL: 1,000 mg/kg body weight  
Developmental Toxicity: NOEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes  
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**Fatty acids, C8-18 and C18-unsatd.:**

Effects on fertility : Remarks: This information is not available.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**STOT - single exposure**

Not classified

**Components:****Coconut fatty acid isethionate-sodium salt:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

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**Fatty acids, C8-18 and C18-unsatd.:**

Remarks : no data available

**STOT - repeated exposure**

Not classified

**Components:****Coconut fatty acid isethionate-sodium salt:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Fatty acids, C8-18 and C18-unsatd.:**

Remarks : no data available

**Repeated dose toxicity****Components:****Coconut fatty acid isethionate-sodium salt:**

Species : Rat, male and female  
NOAEL : 426 mg/kg bw/day  
Application Route : oral (gavage)  
Exposure time : 91 - 92 d  
Number of exposures : daily  
Dose : 50 ,200 ,1000 mg/kg bw  
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/kg bw/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

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

Repeated dose toxicity - Assessment : Causes serious eye irritation.

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**Fatty acids, C8-18 and C18-unsatd.:**

Remarks : This information is not available.

Repeated dose toxicity - Assessment : Causes skin irritation., Causes serious eye damage.

**Aspiration toxicity**

Not classified

**Components:****Coconut fatty acid isethionate-sodium salt:**

no data available

**Fatty acids, C8-18 and C18-unsatd.:**

No aspiration toxicity classification

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

**Further information****Product:**

Remarks : There is no data available for this product.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**Toxicity to fish : LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 30 mg/l  
Exposure time: 48 h  
Method: DIN 38412 T.11Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (algae)): 0.3 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201Toxicity to microorganisms : EC50: > 1,000 mg/l  
Method: OECD Test Guideline 209

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**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 aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 48 mg/l  
End point: 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 fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available
- 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.

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**Ecotoxicology Assessment**

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

**Fatty acids, C8-18 and C18-unsatd.:**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 5 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.6 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: By analogy with a product of similar composition

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 7.6 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: By analogy with a product of similar composition

Toxicity to fish (Chronic toxicity) : NOEC (Danio rerio (zebra fish)): 2 mg/l  
End point: mortality  
Exposure time: 28 d  
Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

**Persistence and degradability****Product:**

Biodegradability : Biodegradation: > 80 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

**Components:****Coconut fatty acid isethionate-sodium salt:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 2 mg/l  
Biochemical Oxygen Demand (BOD)  
Result: Readily biodegradable.  
Biodegradation: 78 %

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Exposure time: 28 d  
Method: OECD Test Guideline 301D  
GLP: yes

**Fatty acids, C8-18 and C18-unsatd.:**

Biodegradability : aerobic  
Result: Readily biodegradable.

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: Due to the low logPow bioaccumulation is not expected

**Components:****Coconut fatty acid isethionate-sodium salt:**

Partition coefficient: n-octanol/water : log Pow: -0.41 (68 °F / 20 °C)  
pH: 7  
Method: Other  
GLP: no

**Fatty acids, C8-18 and C18-unsatd.:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**Mobility in soil****Components:****Coconut fatty acid isethionate-sodium salt:**

Distribution among environmental compartments : adsorption  
Medium: water - soil  
Koc: 1451, log Koc: 3.2  
Method: OECD Test Guideline 106  
Remarks: By analogy with a product of similar composition

**Fatty acids, C8-18 and C18-unsatd.:**

Distribution among environmental compartments : Remarks: no data available

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Results of PBT and vPvB assessment : Remarks: The substance does not meet the criteria for PBT or vPvB substance.

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**Components:****Fatty acids, C8-18 and C18-unsatd.:**

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted

IATA not restricted

IMDG not restricted

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : 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.

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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**The components of this product are reported in the following inventories:**

TSCA : All components are compliant with the TSCA Inventory Notification (Active) rule., All components of this product 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.

DSL : All components of this product are on the Canadian DSL

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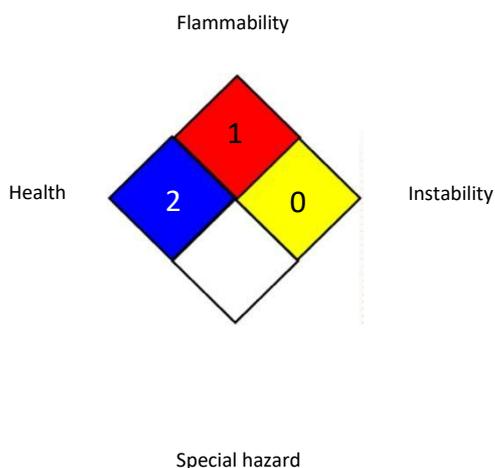
**SECTION 16. OTHER INFORMATION****Further information**

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**NFPA 704:****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand

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Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe all necessary precautions for handling fine powders to control dust. May present dust explosion hazard. Reference exposure limit: ACGIH (TLV) for particulate matter - 10 mg/m<sup>3</sup> inhalable particulates, 3 mg/m<sup>3</sup> respirable particulates. OSHA Permissible Limit (PEL) for particulate matter: total dust: 15 mg/m<sup>3</sup>; respirable fraction: 5 mg/m<sup>3</sup>

For additional information, contact Product Stewardship.

Observe national and local legal requirements

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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