

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### SECTION 1: Identification of the substance/mixture

#### 1.1. Product identifier

**Trade name**  
HOSTAPON SCI 85 P

**Material number:** 165433

**Identification of the substance according to its REACH registration**  
sodium cocoyl isethionate

**REACH - Registration number according to article 20(3):** 01-2119974104-40-0001, 01-2119974104-40-0006, 01-2119974104-40-0010

**Chemical nature:** Coco fatty acid isethionate, sodium salt

**EC number:** 263-052-5

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses of the substance or mixture

Industry sector: Personal Care  
Type of use: Surface active agent for cosmetics  
Exposure scenarios: see annex

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture


##### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2s 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	:	<b>Prevention:</b> P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. <b>Response:</b> 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. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name	:	Coco fatty acid isethionate, sodium salt
EC-No.	:	263-052-5

#### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Coconut fatty acid isethionate-sodium salt	61789-32-0 263-052-5	>= 90 - <= 100

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Get medical advice/ attention if you feel unwell.  
Remove/ Take off immediately all contaminated clothing.
- If inhaled : If inhaled, remove immediately to fresh air; if not breathing give artificial respiration; obtain medical help.
- In case of skin contact : After contact with skin, wash immediately with plenty of water.  
Remove contaminated clothing and shoes.  
Call a physician if symptoms occur.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : In case of unconsciousness do not induce vomiting or give anything by mouth.  
Immediately give large quantities of water to drink.  
If swallowed, give 3-4 glasses of milk to drink (if unavailable, water).  
Get medical attention immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known currently.
- Risks : No hazards known at this time.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water mist
- Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Some risk may be expected of corrosive and toxic decomposition products.  
Fine particles < 500 µm are potentially dust-explosive.  
Emits toxic and corrosive fumes under fire conditions.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Self-contained breathing apparatus Full protective suit

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.  
Toxic/corrosive gas

### 6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Containers in which spilt substance has been collected must be adequately labelled  
Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Risk of dust explosion.  
Soak up with inert absorbent material.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Store in cool place.  
Store in a dry place.  
Avoid dust formation.

Advice on protection against fire and explosion : To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Risk of dust explosion.

Hygiene measures : Do not eat, drink or smoke when using this product.

Dust explosion class : ST1 Capable of dust explosion

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place.  
Keep only in the original container.

### 7.3 Specific end use(s)

Specific use(s) : No further recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Coconut fatty acid isethionate-sodium salt CAS-No.: 61789-32-0	Workers	Inhalation	Long-term systemic effects	62.5 mg/m3
Remarks:	DNEL			
	Workers	Dermal	Long-term systemic effects	28.75 mg/kg bw/day
Remarks:	DNEL			
	General population	Inhalation	Long-term systemic effects	18.5 mg/m3
Remarks:	DNEL			
	General population	Dermal	Long-term systemic effects	17.3 mg/kg bw/day
Remarks:	DNEL			
	General population	Oral	Long-term systemic effects	10.7 mg/kg bw/day
Remarks:	DNEL			
Coconut fatty acid isethionate-sodium salt CAS-No.: 61789-32-0	Workers	Inhalation	Long-term systemic effects	62.5 mg/m3
Remarks:	DNEL			
	Workers	Dermal	Long-term systemic effects	28.75 mg/kg bw/day
Remarks:	DNEL			
	General population	Inhalation	Long-term systemic effects	18.5 mg/m3
Remarks:	DNEL			
	General population	Dermal	Long-term systemic effects	17.3 mg/kg bw/day
Remarks:	DNEL			
	General population	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
Coconut fatty acid isethionate-sodium salt CAS-No.: 61789-32-0	Fresh water	4.8 µg/l
	salt water	0.48 µg/l
	Water (intermittent release)	48 µg/l
	Sewage treatment plant	6.87 mg/l
	Fresh water sediment	714 µg/kg sediment dw
	Marine sediment	71.4 µg/kg sediment dw
	Soil	0.1394 mg/kg dry weight (d.w.)
	Secondary Poisoning	94.7 mg/kg food
Coconut fatty acid isethionate-sodium salt CAS-No.: 61789-32-0	Fresh water	4.8 µg/l
	salt water	0.48 µg/l
	Water (intermittent release)	48 µg/l
	Sewage treatment plant	6.87 mg/l
	Fresh water sediment	714 µg/kg sediment dw
	Marine sediment	71.4 µg/kg sediment dw
	Soil	0.1394 mg/kg dry weight (d.w.)
	Secondary Poisoning	94.7 mg/kg food

## 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.)
Hand protection	:	Impervious butyl rubber gloves PVC disposable gloves Neoprene gloves
Remarks	:	
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	Effective dust mask
Protective measures	:	Observe the usual precautions for handling chemicals. Do not breathe dust.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	fine powder
Colour	:	white
Odour	:	not specified
Odour Threshold	:	not tested.

pH	:	5.0 - 6.5 Concentration: 10 %
Melting point	:	180 °C
Boiling point	:	not determined
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	not determined
Burning number	:	not determined
Upper explosion limit / upper flammability limit	:	not tested.
Lower explosion limit / Lower flammability limit	:	not tested.
Vapour pressure	:	not tested.
Relative vapour density	:	Not applicable
Density	:	not tested.
Bulk density	:	500 kg/m <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	soluble
Solubility in other solvents	:	not tested. Solvent: fat
Partition coefficient: n-octanol/water	:	log Pow: -0.41
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Stable under normal conditions.
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	not tested.
Explosive properties	:	no data available
Oxidizing properties	:	not tested.

## 9.2 Other information

Dust explosion class	:	ST1 Capable of dust explosion
Minimum ignition energy	:	not tested.
Particle size	:	not tested.
Self-ignition	:	not tested.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See section 10.3. "Possibility of hazardous reactions"

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

Stable

### 10.4 Conditions to avoid

Conditions to avoid : Keep away from heat.  
Keep away from open flames, hot surfaces and sources of ignition.

### 10.5 Incompatible materials

Materials to avoid : not known

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

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

Acute inhalation toxicity : Remarks: not tested.

Acute dermal 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

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

## **Skin corrosion/irritation**

### **Product:**

Species : Rabbit  
Assessment : Mild skin irritation  
Method : OECD Test Guideline 404  
Result : Mild 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  
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 : non-sensitizing

## **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

Germ cell mutagenicity-  
Assessment : 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.

## **Components:**

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

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

## **Repeated dose toxicity**

### **Product:**

Remarks : not tested.

## **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  
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  
Group : yes  
Method : OECD Test Guideline 410  
GLP : yes  
Remarks : By analogy with a product of similar composition

## Aspiration toxicity

### Components:

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

no data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish	:	LC50 : 10 - 100 mg/l Exposure time: 96 h Test Type: static test GLP: no
		LC50 (Danio rerio (zebra fish)): 33 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 30 mg/l Exposure time: 48 h Method: DIN 38412 T.11 GLP: no
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 4.8 mg/l End point: Growth rate Exposure time: 72 h Method: OECD Test Guideline 201
		EC10 (Pseudokirchneriella subcapitata (algae)): 0.3 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC50 (activated sludge of a predominantly domestic sewage): > 1,000 mg/l Exposure time: 3 h

#### 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.
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<b>Toxicity to daphnia and other aquatic invertebrates</b>	:	<b>EC50 (Daphnia magna (Water flea)): 48 mg/l</b> 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
<b>Toxicity to algae/aquatic plants</b>	:	<b>ErC50 (Pseudokirchneriella subcapitata (green algae)): 4.8 mg/l</b> End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes  <b>NOEC (Pseudokirchneriella subcapitata (green algae)): 0.31 mg/l</b> End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
<b>Toxicity to microorganisms</b>	:	<b>EC50 (activated sludge): &gt; 687 mg/l</b> 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.
<b>Toxicity to fish (Chronic toxicity)</b>	:	Remarks: no data available
<b>Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)</b>	:	Remarks: no data available
<b>Ecotoxicology Assessment</b>		
<b>Chronic aquatic toxicity</b>	:	Harmful to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

### Product:

<b>Biodegradability</b>	:	Test Type: aerobic Concentration: 30 mg/l Biodegradation: 94.1 % Exposure time: 28 d Method: OECD Test Guideline 301E Remarks: Readily biodegradable, according to appropriate OECD test.
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## **Components:**

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

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 2 mg/l  
Result: Readily biodegradable.  
Biodegradation: 78 %  
Related to: Biochemical Oxygen Demand (BOD)  
Exposure time: 28 d  
Method: OECD Test Guideline 301D  
GLP: yes

## **12.3 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 (20 °C)  
pH: 7  
Method: Other  
GLP: no

## **12.4 Mobility in soil**

### **Product:**

Distribution among environmental compartments : Remarks: not tested.

## **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

## **12.5 Results of PBT and vPvB assessment**

### **Product:**

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

## **Components:**

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

Assessment : The substance is not identified as a PBT or as a vPvB substance.

## 12.6 Other adverse effects

### **Product:**

Environmental fate and pathways	:	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Additional ecological information	:	no data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	:	Can be incinerated, when in compliance with local regulations.
Contaminated packaging	:	Packaging that cannot be cleaned should be disposed of as product waste

## SECTION 14: Transport information

### Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

### 14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

## SECTION 15: Regulatory information

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

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 (EC) No 850/2004 on persistent organic pollutants	:	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.

## 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; AICS - Australian Inventory of Chemical Substances; 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; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : Observe national and local legal requirements