



Version: 11.2019
Rev. 0

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
SCS surfactant

1. Identification of the substance/mixture and the company

Trade name: SCS surfactant
Natural anionic surfactant
Sodium coco sulfate

PEARL

No. CAS: No.

68955-19-1

EINESCS :

273-257-1

REACH pre-registration no.: Use:

Raw material for cosmetic or professional use

Identification of the supplier company: Ekokoza s.r.o., Fryšovice 297, 73945, Fryšovice ID: 07508247, eshop@ekokoza.cz

Emergency: Emergency phone number: +420224919293 . +420224915402 (24 hour phone/
daily) Toxicology Information Center, Na Bojišti 1, 128 08 Prague2)

2. Hazard identification

2.1 Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

Acute watery 3

Aquatic Chronic 3

Specific concentration limits According to UN GHS criteria

Eye Dam./Irrit. 2: 10 – < 20 %

Eye Dam./Irrit. 1: >= 20 %

For classifications not listed in full in this section, the full text can be found in section 16.

2.2 Label elements

Globally Harmonized System (GHS)

Pictograms:

Signal word: Danger

Hazard statement:

H318

Causes serious eye damage.

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H315	Causes skin irritation.
H303	May be harmful if swallowed.
H402	Harmful to aquatic life.
H412	Harmful to aquatic organisms, with long-term effects.
Instructions for safe handling (prevention):	
P280	Wear protective gloves and eye/face protection.
P273	Avoid release to the environment.
P264	After handling, wash thoroughly with plenty of water and soap.
Instructions for safe handling (answer):	
P310	Call a POISON CENTER or doctor immediately.
P305 + P351 + P338	IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses if they are fitted and can be easily removed. Continue rinsing.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	In case of skin irritation: Seek medical attention/treatment.
P362 + P364	Remove contaminated clothing and wash before reuse.
Instructions for safe handling (disposal):	
P501	Remove contents/container to hazardous or special waste collection point.
According to UN GHS criteria	
Hazard-determining component(s) for labeling: Sulfuric acid, mono-C12-18 (even)-alkyl esters, sodium salts	
2.2 Other Hazards	
According to UN GHS criteria	
Fine dust generated by abrasion can form explosive mixtures with air.	
3. Statement of Components	
3.1 Substances	
Chemical nature: Sulfuric acid, mono-C12-18-alkyl esters, sodium salts, CAS number: 68955-19-1, EC number: 273-257-1	
For classifications not listed in full in this section, the full text can be found in section 16.	



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3.2 Mixtures

Can not be used

4. First aid measures

4.1 Description of first aid

If adverse health effects occur, seek medical attention.

Inhalation: Fresh air.

In case of skin contact: In case of skin contact, wash immediately with plenty of water. Change contaminated clothing and footwear.

In case of contact with eyes:

Rinse immediately with plenty of running water (for 10 minutes), seek professional medical help.

Ingestion: Drink 1-2 glasses of water, do not induce vomiting, administer an anti-foaming agent (sab simplex), seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or section 11., (Other) symptoms and/or effects not yet known.

Hazards: No hazards expected when used as intended and handled properly.

4.3 Indication of any immediate medical attention and special treatment needed Treatment:

Treat symptomatically (decontamination, vital signs), no known specific antidote.

5. Fire precautions

5.1 Liability

Suitable extinguishing agents: water spray, dry powder, foam

Unsuitable extinguishing agents for safety reasons: carbon dioxide

5.2 Special hazards arising from the substance or mixture Harmful vapours.

Development of fumes/mists. The listed substances/groups of substances can be released in case of fire.

5.3 Advice for firefighters

Dispose of fire residues and contaminated water used for extinguishing in accordance with official regulations.

6. Accidental release measures



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Creates slippery surfaces with water

6.1 Personal protection measures, protective equipment and emergency procedures Use personal protective clothing.

6.2 Environmental precautions Do not pour into drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up For small quantities: Collect with suitable equipment and dispose of.
For large quantities: Collect with suitable equipment and dispose of.
Avoid raising dust. Dispose of absorbed material in accordance with regulations.

7. Handling and storage

7.1 Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice.
Protection against fire and explosion: Avoid the formation of dust. Take precautions against static electricity discharges.
Avoid all sources of ignition: heat, sparks, open flames.

7.2 Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures Suitable materials for containers: Paper/fiberboard, Polypropylene (PP), High-density polyethylene (HDPE)
Additional information on storage conditions: Keep container tightly closed and dry; store in a cool place.
Store protected from frost.

Stability

during storage: Storage temperature: 20 - 30 °C Protect from temperatures below: 0 °C
Below the temperature limit, the product is no longer usable.
Protect from temperatures above: 50 °C The properties of the product change irreversibly when the limit temperature is exceeded.

7.3 Specific end use

For the relevant intended uses listed in Section 1, the recommendations listed in this Section 7 must be followed.

8. Limitation of exposure / personal protective equipment

8.1 Control parameters

Components with workplace exposure limits: No workplace exposure limits are known.

8.2 Limiting exposure

Personal protective equipment:

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Respiratory protection: Respiratory protection if respirable aerosols/dust are formed.

Hand protection: Protective gloves with the following specification are suitable. The recommendation applies to laboratory conditions, the specific conditions of the workplace must be taken into account separately. Suitable materials also with long-term direct contact (recommended: Protection index 6, corresponding to > 480 minutes permeation time according to EN 374): fluoroelastomer (Viton)

Eye protection: Tight-fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection: Body protection must be chosen depending on the activity and possible exposure, e.g. apron, safety shoes, chemical suit (according to EN 14605 in the case of splashes or EN ISO 13982 in the case of dust).

General Safety and Hygiene Precautions: Handle in accordance with good industrial hygiene and safety practice. Prohibition of eating, drinking, smoking and tobacco use in the workplace. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties Form: granules Color white

Odor: odorless

Odor threshold: not applicable, odor not perceptible

pH value: 10 - 11 (water, 20 °C)

melting range: 36 - 183 °C

decomposition point: > 208 °C The substance / product decomposes.

Bod varu: 208 °C Bod

flash point: > 160 °C

Evaporation rate: The product is a non-volatile solid Flammability:

non-flammable

Flammability of aerosol products: not applicable, the product does not form flammable aerosols Lower

explosion limit: Not relevant for classification and labeling for solids.

Upper explosion limit: Not relevant for classification and labeling for solids.

Ignition temperature: 250 °C

Vapor pressure: < 0.001 mbar (25 °C)

Relative vapor density (air): not applicable Solubility in

water: soluble > 250 g/l (20 °C)

Solubility (qualitative) solvent(s): soluble in distilled water Partition coefficient n-

octanol/water (log Kow): -2.1 (20 °C)

Spontaneous ignition: Temperature:

220 °C Thermal decomposition: No decomposition occurs when stored and handled according to regulations.

Dynamic viscosity: not applicable, the product is solid

Viscosity, kinematic: not applicable, the product is solid

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Explosion hazard: not explosive

Fire promoting properties: does not spread fire

Self-heating ability: It is not a substance capable of self-heating.

Volumetric weight: 550 - 650 kg/m³

9.2 Additional Information

If necessary, information on other physical and chemical parameters is provided in this section.

10. Established to reaktivita

10.1 Reactive

No dangerous reactions when stored and handled according to prescription/indication.

10.2 Chemical stability

The product is stable when stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

None if used for intended purpose.

10.4 Conditions to Avoid

See Safety Data Sheet, Section 7 - Handling and Storage

10.5 Incompatible materials

Substances to avoid: No known substances to avoid

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Practically non-toxic after a single contact with the skin.

Practically non-toxic by inhalation.

Low toxicity after single ingestion.

Experimental/calculated data:

LD50 (oral): > 2,000 - 5,000 mg/kg

LD50 rabbit (dermal): > 2,000 mg/kg

Irritation

Evaluation of irritant effects:

May cause serious eye damage.

Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

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Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Respiratory/skin sensitization
Sensitization assessment:

No sensitizing effect.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Mutagenicity assessment:

Mutagenicity tests did not reveal any genotoxic potential.

Experimental/calculated data:

Ames test bacteria: negative (OECD Guideline 471)

Carcinogenic

Assessment of carcinogenicity:

All available information does not provide any indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproductive toxicity:

Animal studies have shown no effect on fertility.

Developmental toxicity

Evaluation of teratogenicity:

The substance did not cause malformations in animal studies; however, developmental toxicity was observed at high doses that were toxic to the parent animals.

Specific target organ toxicity (single exposure)

Single STOT evaluation: Based on the available information, no specific target organ toxicity can be expected after a single exposure.

Repeated dose toxicity and specific target organ toxicity (repeated exposure)

Evaluation of repeated dose toxicity:

The information available on the product does not provide any indication of target organ toxicity after repeated exposure.

Aspiration hazard No

aspiration hazard expected.

12. Environmental information

12.1 Toxicity

Aquatic toxicity assessment:

Harmful to aquatic life. Harmful to aquatic organisms, with long-term effects.
Inhibition of the degradation activity of activated sludge is not expected when it is introduced into biological treatment plants in suitable low concentrations.

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Toxicity to fish:	LC50 (96 h) > 10 - 100 mg/l, Cyprinus carpio (OECD 203; ISO 7346; 84/449/ EEC, C.1, semistatický)
Aquatic Invertebrates:	EC50 (48 h) > 10 - 100 mg/l, Daphnia magna (Directive 84/449/EEC, C.2, static)
Water plants:	EC50 (72 h) > 10 - 100 mg/l (growth rate), Scenedesmus subspicatus (Directive 92/69/EEC, C.3, static)
Microorganisms/Effect on activated sludge:	EC0 > 100 mg/l, Pseudomonas putida (OECD Guideline 209)
Chronic toxicity to fish:	Concentration without observed effect > 0.1 - 1 mg/l, Pimephales promelas (Flow.) The product has not been tested. The claim was derived from substances/products of similar structure or Ingredients.
Chronic toxicity to aquatic invertebrates:	No observed effect at concentrations > 0.1 - 1 mg/l. The product does not have was tested. The claim was derived from substances/products of similar structure or composition.

12.2 Persistence and Deployability

Assessment of biodegradation and elimination (H2O): Readily biodegradable (according to OECD criteria).

Information on elimination: (Annex III, Part A) The surfactant(s) contained in this preparation meets (meets) the criteria for biodegradability as set out in Regulation (EC) No. 648/2004 on detergents. Data to support this claim are available to the competent authorities of the Member States and will be provided to them at their direct request or at the request of the detergent manufacturer.

12.3 Bioaccumulation potential

Assessment of bioaccumulation potential: Due to the n-octanol/water distribution coefficient (log Pow), no accumulation in organisms can be expected.

12.4 Mobility in soil

Assessment of transport between environmental components:

Adsorption in soil: Adsorption to a solid soil phase is assumed.

12.5 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not contain the substance meeting the PBT (persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative) criteria.

12.6 Other Adverse Effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that damage the ozone layer.

12.7 Additional Information

Adsorbable organically bound halogen (AOX): This product does not contain any organically bound halogen.

13. Disposal Instructions

13.1 Waste management methods

It must be disposed of or incinerated in accordance with local regulations.

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14. Transportation Information

14.1 Ground Transportation

ADR

It is not classified as dangerous goods according to transport regulations

UN number: Can not be used

UN proper shipping name: Can not be used

Transport hazard class(es): Can not be used

Packing group: Can not be used

Environmental hazards: Can not be used

Special safety measures for users None known

DEPRIVE

It is not classified as dangerous goods according to transport regulations

UN number: Can not be used

UN proper shipping name: Can not be used

Transport hazard class(es): Can not be used

Packing group: Can not be used

Environmental hazards: Can not be used

Special safety measures for users None known

14.2 Inland Water Transport

DNA

It is not classified as dangerous goods according to transport regulations

UN number: Can not be used

UN proper shipping name: Can not be used

Transport hazard class(es): Can not be used

Packing group: Can not be used

Environmental hazards: Can not be used

Special measures for users: None known

Transportation by inland vessels: Unrated

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14.3 Shipping by Sea

IMDG

It is not classified as dangerous goods according to transport regulations

UN number: Can not be used

UN proper shipping name: Can not be used

Transport hazard class(es): Can not be used

Packing group: Can not be used

Environmental hazards: Can not be used

Special safety measures for users None known

14.4 Air Transport

It is not classified as dangerous goods according to transport regulations

UN number: Can not be used

UN proper shipping name: Can not be used

Transport hazard class(es): Can not be used

Packing group: Can not be used

Environmental hazards: Can not be used

Special safety measures for users None known

UN number 14.5

See the corresponding entries for "UN number" for the relevant regulations in the tables above.

14.6 UN proper shipping name See

corresponding entries for "UN shipping name" for relevant regulations in the tables above.

14.7 Transport hazard class(es).

See the corresponding entries for "Transport Hazard Class(es)" for applicable regulations in the tables above.

14.8 Packing group See

corresponding entries for "Packing group" for relevant regulations in the tables above.

14.9 Environmental hazard

See the corresponding entries for "Environmental Hazards" for applicable regulations in the tables above.

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14.10 Special precautions for users See the corresponding entries for "Special precautions for users" for relevant regulations in the tables above.

14.11 Bulk transport according to Annex II of MARPOL and the IBC regulation

Ordinance:	Unrated
Shipment Approved:	Unrated
Pollution name:	Unrated
Pollution category:	Unrated
Lodi type:	Unrated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture If other regulatory information applies that is not already listed elsewhere in this safety data sheet, then described in this subsection.

16. Further Information

Information on Intended Use: This product is of industrial grade and, unless otherwise stated or agreed, is intended for industrial use only. This includes mentioned and recommended uses. Any other intended applications should be discussed with the manufacturer. In particular, this applies to the use of products that are subject to special standards and regulations.

16.1 The full text of classifications, hazard symbols and hazard statements if they are listed in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Acute	Dangerous for the aquatic environment - acute
Aquatic Chronic	Dangerous for the aquatic environment - chronic

16.2 Abbreviations:

ADR: European Agreement on the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (a division of the American Chemical Society).
CLP: Classification, labelling, packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.



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GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: International Air Transport Association (IATA) Dangerous Goods Regulations.
ICAO: International Civil Aviation Organization.
ICAO-TI: "International Civil Aviation Organization" (ICAO) Technical Guidelines.
IMDG: International Maritime Dangerous Goods Code.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation on the international transport of dangerous goods by rail.
STE: Short-term exposure.
STEL: Short Term Exposure Limit.
STOT: Specific target organ toxicity.

Disclaimer:

This safety data sheet does not constitute a guarantee of product properties and is not a contractual legal notice. Information is provided in good faith belief based on our best knowledge of the product at the time stated. However, we cannot accept responsibility or liability for any consequences arising from its use, nor do we make any warranty as to its correctness or completeness. We warn users of possible risks when using the product for purposes other than those for which it was originally planned. It is the responsibility of the user to comply with the main applicable regulations regarding the protection of workers and the environment during the handling, storage and use of the product.