

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

SURFACTANT CCG

1. Identification of the substance/mixture and company

Trade name: Surfactant CCG
I.N.C.I. Caprylyl/Capryl Glucoside
Utilization: surfactants, cosmetic ingredient
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

Classification of the substance and mixture:
Serious eye damage/eye irritation: Cat. 1
Hazardous to the aquatic environment - acute: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear eye and face protection.

P273 Avoid release to the environment.

Precautionary Statements (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.

P310 Immediately call a POISON CENTER or physician.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Declaration of ingredients

State of matter: liquid

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Chemical nature
Substance nature: mixture
Aqueous solution based on: Alkyl polyglycoside C8-10

Hazardous ingredients
D-Glucopyranose, oligomers, decyl octyl glycosides
Other means of identification: /

4. First aid measures

General advice:

If adverse health effects develop seek medical attention.

If inhaled:

not relevant.

On skin contact:

After contact with skin, wash immediately with plenty of water.

On contact with eyes:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far
Hazards: No hazard is expected under intended use and appropriate handling.
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire fighting measures

Suitable extinguishing media:

water spray, carbon dioxide, dry powder, foam

Specific hazards:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special extinguishing Procedure:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

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Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Storage

Suitable materials for containers: Stove-lacquer R 78433, High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: 10 - 40 °C

Protect from temperatures below: 10 °C

Below the temperature limit, the product is no longer pumpable.

Protect from temperatures above: 50 °C

8. Exposure controls / personal protection

Components with occupational exposure limits

No substance specific occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Suitable are protective gloves with the following specification.

The recommendation is valid for laboratory conditions,

specific workplace conditions must be taken into consideration separately.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

nitrile rubber (NBR) - 0.4 mm coating thickness

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting

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boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form: liquid

Colour: yellow

Odour: almost odourless

Odour threshold: not applicable

pH value: 11.5 – 12.5 (water, 20 °C)

solidification temperature: ≤ 10.0 °C (DGF C-IV 3C)

Melting temperature: < 0 °C

boiling temperature: > 100 °C (1,013.200 hPa)

Flash point: 210 °C (ISO 2592)

Evaporation rate:

Value can be approximated from

Henry's Law Constant or vapor pressure.

Flammability (solid/gas): not flammable

Lower explosion limit:

For liquids not relevant for classification and labelling.

Upper explosion limit:

For liquids not relevant for classification and labelling.

Ignition temperature: > 300 °C

Thermal decomposition: > 350 °C (DTA)

Self ignition: not applicable

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Vapour pressure: < 0.1 hPa (20 °C)

Density: 1.13 - 1.14 g/cm³ (20 °C)

Relative vapour density (air): not applicable

Solubility in water: soluble

Solubility (qualitative) solvent(s): distilled water miscible in all proportions

Partitioning coefficient n-octanol/water (log Pow): < 1.77

The product has not been tested.

The statement has been derived from substances/products of a similar structure or composition.

Surface tension: 29 mN/m (DIN EN 14370)

Viscosity, dynamic: 500 - 1,500 mPa*s (40.0 °C) (DIN 53015)

Viscosity, kinematic: not determined

Other Information:

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If necessary, information on other physical and chemical parameters is indicated in this section.
No further information available.

10. Stability and reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

Thermal decomposition: > 350 °C (DTA)

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
None if used for intended purpose.

No hazardous decomposition products known.

11. Toxicological information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single skin contact.

Virtually nontoxic after a single ingestion.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 401)

LD50 rabbit (dermal): > 2,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:
May cause severe damage to the eyes. Not irritating to the skin.

Experimental/calculated data:
Skin corrosion/irritation rabbit: Slightly irritating. (OECD Guideline 404)

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

Respiratory/Skin sensitization

Assessment of sensitization:
No sensitizing effect.
Experimental/calculated data:
guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:
The substance was not mutagenic in bacteria.

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Experimental/calculated data:

Ames-test

Bacteria: negative (OECD Guideline 471)

Carcinogenicity

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The information available on the product provides no indication of reproductive toxicity.

Developmental toxicity

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated oral exposure in animal studies.

Aspiration hazard

No aspiration hazard expected.

12. Ecological information

Ecotoxicity

Toxicity to fish:

LC50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Aquatic invertebrates:

EC50 > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:

EC50 > 10 - 100 mg/l, Scenedesmus subspicatus (Directive 88/302/EEC, part C, p. 89)

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l, Pseudomonas putida (OECD Guideline 209)

EC0 > 100 mg/l, Pseudomonas putida (DIN 38412 Part 8)

Chronic toxicity to fish:

No observed effect concentration > 1 - 10 mg/l, Brachydanio rerio (OECD Guideline 204)

Chronic toxicity to aquatic invertebrates:

No observed effect concentration, > 1 - 10 mg/l, Daphnia magna (OECD Guideline 202, part 2)

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

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Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

(Annex III , part A) The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

Bioaccumulation potential

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

13. Disposal considerations

Must be disposed of or incinerated in accordance with local regulations.

14. Transport information

Domestic transport:

Not classified as a dangerous good under transport regulations

Further information

Domestic regulations for transport: Please follow Road Safety Rule

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Hazard determining component(s) for labelling: ALKYL POLYGLYCOSIDE C8/C10

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

OCCUPATIONAL SAFETY AND HEALTH ACT, REGULATION OF ROAD SAFETY, and METHODS AND FACILITIES STANDARDS FOR THE STORAGE, CLEARANCE AND DISPOSAL OF INDUSTRIAL WASTE always need to be followed

16. Additional information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Aquatic Chronic Hazardous to the aquatic environment - chronic

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H412 Harmful to aquatic life with long lasting effects.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.