

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

1. Identification of the substance/mixture and company

Trade name: Tensidă SLES+LG
I.N.C.I. Sodium Laureth Sulfate (and) Lauryl Glucoside
Utilization: Cleansing products, shampoos, bath soaps and detergents.
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:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.

P273 Avoid release to the environment.

P264 Wash with plenty of water and soap thoroughly after handling.

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 doctor/physician.

P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

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

Chemical nature

Aqueous solution based on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO), Alkylpolyglycoside C10-16

Hazardous ingredients

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

Content (W/W): >= 30 % - < 50 % Skin Corr./Irrit.: Cat. 2

CAS Number: 68891-38-3 Eye Dam./Irrit.: Cat. 1

Aquatic Acute: Cat. 2

Aquatic Chronic: Cat. 3

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Content (W/W): >= 20 % - < 30 % Skin Corr./Irrit.: Cat. 2

CAS Number: 110615-47-9 Eye Dam./Irrit.: Cat. 1

Aquatic Acute: Cat. 2

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. Change contaminated clothing and shoes.

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.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

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.

Further information:

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

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

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: 15 - 40 °C

Protect from temperatures below: 15 °C

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

Protect from temperatures above: 40 °C

Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure controls / personal protection

Components with occupational exposure limits

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

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):

fluoroelastomer (Viton)

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 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, pasty

Colour: yellowish

Odour: almost odourless

Odour threshold: not applicable

pH value: 11– 12 (water, 20 °C)

Melting temperature: < 0 °C

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

Flash point: 101 °C Aqueous preparation

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: not determined

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self ignition: not applicable

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Vapour pressure: not determined

Density: 1.08 - 1.11 g/cm³ (20 °C)

Relative vapour density (air): not applicable

Solubility in water: soluble

Solubility (qualitative) solvent(s): distilled water soluble

Viscosity, dynamic: not determined

Viscosity, kinematic: not determined

Other Information:

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 MSDS section 7 - Handling and storage.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

None if used for intended purpose.

Hazardous decomposition products:

sulphur compounds

11. Toxicological information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

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

Irritation

Assessment of irritating effects:

May cause severe damage to the eyes.

Skin contact causes irritation.

Respiratory/Skin sensitization

Assessment of sensitization:

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

No sensitizing effect.

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

No data was available concerning toxicity to development.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

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

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

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological information

Ecotoxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 > 1 - 10 mg/l

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l

Chronic toxicity to aquatic invertebrates:

No observed effect concentration, > 0.1 - 1 mg/l

Mobility

Assessment transport between environmental compartments:

not applicable

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

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:

No data available.

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

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

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.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status:

AICS, AU released / listed

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

H412 Harmful to aquatic life with long lasting effects.

Abbreviations

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Surfactant SLES+LG

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.