

Material safety data sheet SDS

According to EU Regulation EC No. 453/2010 in the current version

EMULSAN EMULSIFIER

1. Identification of the substance/mixture and company

Product name: Emulsan Emulsifier
INCI: Methyl Glucose Sesquistearate
Uses: Raw material for cosmetics
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

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

No particular hazards known.

2.2. Label elements

The product does not require a hazard warning label in accordance with GHS. The normal safety precautions for the handling of chemicals must be observed.

2.3. Other hazards

None known.

3. Declaration of ingredients

3.1 Substances

Methyl glucose sesquistearate

3.2 Mixtures

Not applicable

4. First aid measures

4.1. Description of first aid measures

First-aid measures general:

Remove person to uncontaminated area. Avoid all unnecessary exposure.

First-aid measures after inhalation:

Assure fresh air breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.

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First-aid measures after ingestion:

Rinse mouth. Drink plenty of water. Call a POISON CENTER/doctor/physician if you feel unwell.

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

Symptoms/injuries: Under normal conditions of use, no adverse effects to health have been observed.

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

No additional information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Do not contaminate ground and surface water.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Reactivity: No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Use a self-contained breathing apparatus and also a protective suit.

Other information: No hazardous decomposition products known.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Do not allow to enter drains or waterways

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up mechanically

Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling: Avoid the formation and deposition of dust.

Hygiene measures: Do not eat, drink or smoke when working. Wash hands before breaks and after work.

General protective measures: Avoid contact with eyes and skin

7.2. Conditions for safe storage, including any incompatibilities

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Prevention of fire and explosion

Information: No special measures required.

Storage Information: Keep only in original container.

Further information on storage conditions: Keep container closed.

German storage class: 11

7.3. Specific end use(s)

No further recommendations.

8. Exposure controls / personal protection

8.1 Control parameters

No information available

8.2 Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Ensure exposure is below occupational exposure limits (where available).

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Respiratory protection: Wear appropriate mask. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls: Avoid release to the environment.

Other information: Do not eat, drink or smoke during use

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid

Form: Pellets

Colour: light yellow

Odour: characteristic

Odour Threshold: not measured

pH: 7,5 - 8,5 (20 °C) 50 g/l Remarks: Methanol/Water

Melting point: Melting range 45 - 55 °C Method: OECD 102

Boiling point: not measured

Flash point: > 300 °C Method: DIN EN ISO 2719

Evaporation rate: not measured

Flammability: no data available

Upper Explosion/Ignition Limit: not measured

Lower explosion limit: not measured

Vapour pressure: not measured

Relative vapour density: not measured

Relative density: no data available

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Solubility: not measured
Water solubility: not measured
Partition coefficient (n-octanol/water): not measured
Autoignition temperature: not measured
Thermal decomposition: not measured
Viscosity, kinematic: no data available
Viscosity, dynamic: not applicable
Explosive properties: not measured
Oxidising properties: not measured
9.2. Other information
Bulk density: ca. 600 kg/m³ (20 °C)
Metal corrosion: not measured
Ignition temperature: not measured

10. Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

No hazardous decomposition products known with proper storage and handling.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral): LD50 Species: Rat Dose: > 2.000 mg/kg Method: OECD Test Guideline 401

Acute toxicity (inhalation): no data available

Acute toxicity (dermal): no data available

Irritation/corrosion of the skin: Species: rabbit Result: non-irritant Method: OECD 404

Serious eye damage/ eye irritation: Species: rabbit Result: non-irritant Method: OECD 405

Respiratory/skin sensitization: Species: Guinea pig Result: non-sensitizing

Classification: Did not cause sensitization on laboratory animals. Method: OECD 406

Repeated dose toxicity: no data available

CMR assessment

Carcinogenicity: no data available

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Mutagenicity: no data available

Teratogenicity: no data available

Toxicity to reproduction: no data available

Specific Target Organ Toxicity - Single exposure: no data available

Specific Target Organ Toxicity -: no data available

Repeated exposure

Other information: Proper use provided, no adverse health effects have been observed or have been come to our knowledge. The substance has no mutagenic activity (Ames Test)

12. Ecological information

12.1.Toxicity

Aquatoxicity, fish: Species: gold orfe

Exposure duration: 96 h

LC50: > 10 g/l

Method: OECD 203

Aquatoxicity, invertebrates: no data available

Aquatoxicity, algae / aquatic plants: no data available

Toxicity in microorganisms: EC10: > 10 g/l

Method: DIN 38412 T.27

chronic toxicity in fish: no data available

Chronic toxicity in aquatic Invertebrates: no data available

Toxicity in organisms which live in the soil: no data available

Toxicity in terrestrial plants: no data available

Toxicity to Above-Ground Organisms: no data available

12.2.Persistence and degradability

Photodegradation: no data available

Biological degradability: Biological degradability: 85 %

Method: OECD 301 D

Remarks: The product is readily biodegradable according to OECD criteria.

Physico-chemical removability: no data available

Biochemical Oxygen Demand (BOD): no data available

Chemical Oxygen Demand (COD): no data available relation of BOD/COD: no data available

Dissolved organic carbon (DOC): no data available

Adsorbed organic bound halogens (AOX): no data available

Distribution among environmental compartments: no data available

12.3. Bioaccumulative potential

Bioaccumulation: no data available

12.4. Mobility in soil

Environmental distribution: no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment: No data available

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12.6. Other adverse effects

General Information: Do not allow to enter soil, waterways or waste water canal. The product is considered to be a weak water pollutant (German law).

13. Disposal considerations

13.1. Waste treatment methods

Product: In mixture with inflammable liquids in accordance with local authority regulations, take to special waste incineration plant.

Contaminated packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

Not dangerous according to transport regulations.

14.1.UN number: --

14.2.UN proper shipping name: --

14.3.Transport hazard class(es): --

14.4.Packing group: --

14.5.Environmental hazards: --

14.6Special precautions for user: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

Water contaminating class (Germany): low hazard to waters Classification acc. to German law

Other regulations: none

Chemical safety assessment: No chemical safety assessment was carried out for this product.

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (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 - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport

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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; INCI: International Nomenclature of Cosmetic Ingredients; 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; PNEC: Predicted No Effect Concentration; 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; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; 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.