

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

1. Identification of the substance/mixture and company

Trade name: Cetearyl alcohol
I.N.C.I. Cetearyl alcohol
CAS No.: 67762-27-0
EC No.: 267-008-6
REACH pre-registration No. : n.a.
Utilization: Raw material for Cosmetics industry
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

Blend of fatty alcohols C16 - C18, cetyl-stearyl alcohol

This product is not classified as hazardous to health or environment according to GHS.

3.2. Mixtures

Not Applicable

4. First aid measures

4.1 First-aid measures

General advice:

Remove contaminated clothing.

In case of persistent troubles seek medical advice.

Inhalation:

Ensure supply of fresh air.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

In the event of symptoms seek medical advice.

Skin contact:

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

Eye contact:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

Ingestion:

Rinse out mouth and give plenty of water to drink.

Take medical treatment.

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

Symptoms:

Up to now no symptoms are known.

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

Treat symptomatically.

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: not applicable

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

- carbon dioxide, carbon monoxide

5.3. Advice for firefighters

Use self-contained breathing apparatus and wear protective suit

Do not inhale explosion and/or combustion gases

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Keep away sources of ignition.

Ensure adequate ventilation.

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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

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: no data available

Hygiene measures: avoid dust generation.

Wash hands before breaks and after work..

Do not eat, drink or smoke when working.

General protective measures: Avoid contact with eyes and skin

7.2 Conditions of storage including incompatibilities

Prevention of fire and explosion

Information: Keep away from sources of ignition - no smoking

Take precautionary measures against electrostatic loading.

Cool endangered containers by water spray

Storage

Information: none

Further information on storage conditions: Storage: cool and dry

Keep containers tightly closed.

German storage class:11.

7.3 Specific use(s) No further relevant information available.

8. Exposure controls / personal protection

8.1 Control parameters

Control parameters

Exposure limits

Ingredients CAS-No. Statutory basis/list Value type (Form of exposure; Expressed as) Value Short-term

1-Octadecanol 112-92-5 TRGS 900 20 ml/m3 224 mg/m3 1(l)

Hexadecanol 36653-82-4 TRGS 900 20 ml/m3 200 mg/m3 1(l)

DNEL:No DNEL/DMEL values on file.

PNEC:No PNEC values on file.

8.2 Exposure controls

Eye protection: safety glasses

Hand protection:

Glove material: gloves made of natural latex

Break through time: 480 min

Glove thickness: 0,5 mm

Glove material: gloves made of natural latex

Break through time: 480 min

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

Glove thickness: 1 mm
Glove material: gloves made of chloroprene (CR, e.g. Neoprene)
Break through time: 480 min
Glove thickness: 0,6 mm
Glove material: gloves made of nitril (NBR)
Break through time: 480 min
Glove thickness: 0,4 mm
Glove material: gloves made of butyl (IIR)
Break through time: 480 min
Glove thickness: 0,3 mm
Body Protection: None required
Respiratory protection: in case of formation of vapours/dusts:
Short term: filter apparatus, Filter P1

9. Physical and chemical properties

9.1 Physical and chemical properties

Physical state: solid
Form: Waxy
Colour: white
Odour: slight, typical
Odour Threshold: not determined
pH: not applicable
Melting point:
Melting temperature 49 - 56 °C
Boiling point: Boiling temperature > 249 °C
Flash point: ca. 154 °C Method: DIN EN 22719 (DIN 51758)
Evaporation rate: not determined
Flammability: no data available
Upper Explosion/Ignition Limit: not applicable
Lower explosion limit: not applicable
Vapour pressure: < 1 mbar (20 °C)
Relative vapour density: not measured
Relative density: no data available
Solubility: not measured
Water solubility: insoluble
Partition coefficient (n-octanol/water): not measured
Autoignition temperature: not determined
Thermal decomposition: Not applicable
Viscosity, kinematic: no data available

9.2 Other information

Density: 0,81 g/cm³ (65 °C)
Metal corrosion: not measured
Ignition temperature: not measured

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

10. Stability and reactivity

10.1. Reactivity

see section "Possibility of hazardous reactions"

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4. Conditions to avoid

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

None with proper storage and handling

11. Toxicological information

11.1 Information about toxicological effects

Acute toxicity (oral): LD50

Dose: > 5.000 mg/kg

Acute toxicity (inhalation): no data available

Acute toxicity (dermal): no data available

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

Serious eye damage/ eye irritation: Result: slight irritant effect - does not require labelling Method: OECD 405

Respiratory/skin sensitization: no data available

Repeated dose toxicity: no data available

CMR assessment

Carcinogenicity: no data available

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 - Repeated exposure: no data available

Aspiration hazard: No Aspiration toxicity classification

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

Ecotoxicology Assessment

Acute aquatic toxicity: no data available

Chronic aquatic toxicity: no data available

12.1. Toxicity

Aquatic toxicity, fish: semi-static LC50: > 100 mg/l Method: ISO 7346/1-3

Aquatic toxicity, invertebrates: no data available

Aquatic toxicity, algae / aquatic plants: no data available

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

Toxicity in microorganisms: EC50: > 100 mg/l
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: Result: readily biodegradable
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

12.6. Other adverse effects

General Information:

The Product is not considered to be a water pollutant (German law).

Do not allow to enter soil, waterways or waste water canal.

Biologically degradable, when diluted may be degraded in biological purification plants

13. Disposal considerations

13.1 Waste treatment methods

Waste disposal methods: Re-use/recycling of waste highly recommended. Disposal according to local regulations.

Contaminated packaging: Disposal according to local regulations.

14. Transport information

Not classified as dangerous substance.

Not classified under IMDG or ADR regulations.

Warning icon Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.

Shipping Name Not Applicable.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

UN Number (Road) Not Applicable.
ADR Class Not Applicable.
Hazard Number (ADR) Not Applicable.
Hazchem Code Not Applicable.
UN Number (Sea) Not Applicable.
IMDG Class Not Applicable.
IMDG Pack GR. Not Applicable.
EMS Not Applicable.
UN Number (Air) Not Applicable.
Air Class Not Applicable.
Air Pack GR. Not Applicable.
Transport in bulk according to Annex II of MARPOL
73/78 and the IBC Code Product name : Fatty acids, C16+
Pollution category: Y
Ship type: 2

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
GHS label elements Not applicable
Hazard pictograms Not applicable
Signal word Not applicable
Hazard statements Not applicable
Other regulations, limitations and prohibitive regulations
Chemical safety assessment: A Chemical Safety Assessment has been carried out.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CETEARYL ALCOHOL

NOAEL: No observed adverse effect level

NOEC: no observed effect concentration

NOEL: no observed effect level

PBT: Persistent, bioaccumulative, toxic

PEC: Predicted effect concentration

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WGK: Water Hazard Class

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.