

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

1. Identification of the substance/mixture and company

Trade name: Ceramide
I.N.C.I. Isocetyl Alcohol, Ceramide NP, Cetyl Alcohol
CAS No.: 900-30-0
EINESCS No.: 232-536-8
REACH pre-registration No.: /
Utilization: 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 classified

No particular hazards known.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

None known

3. Declaration of ingredients

3.1 Substances –

3.2 Mixtures: Ceramides in isocetyl alcohol

4. First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

First-aid measures after skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

First-aid measures after eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Potential acute health effects: No known significant effects or critical hazards. No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

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

In all cases of doubt, or when symptoms persist, seek medical attention. Treat symptomatically.

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use dry chemical powder

Unsuitable: Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2. Special hazards arising from the substance or mixture

Reactivity : Stable under normal conditions.

In the event of fire the following can be released:

- carbon dioxide, carbon monoxide
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

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.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

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

No special measures necessary if stored and handled as prescribed. Do not eat, drink or smoke when working.
Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

No special measures required. Keep container tightly closed in a cool, well-ventilated place. Protect from sun. Storage temperature should not exceed 30 °C

7.3. Specific end use(s)

No further recommendations.

8. Exposure controls / personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL: No DNEL/DMEL values on file.

PNEC: No PNEC values on file.

8.2 Exposure controls

General recommended measures

Hand protection: Protect hands with category I work gloves (ref. Directive 89/686 / EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use.

Respiratory protection: in case of formation of vapours/aerosols: Short term: filter apparatus, Filter A-P2

Eye protection: it is recommended to wear airtight protective goggles (ref. Standard EN 166).

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: pasty

Color: off-white to yellowish

Odor: almost odorless

Density: 0.8 - 0.85 g/cm³ (20 °C)

Refractive index at 20°C: NA

Flash point: 160 °C

Odor threshold: NA

pH: not relevant

Melting point: NA

Initial boiling point and boiling range: Boiling temperature 175 °C (ca. 15 hPa)

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: NA

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

Vapor tension: NA
Vapor density: NA
Solubility in water: insoluble
Partition coefficient: n-octanol / water NA
Auto-ignition temperature: cca 240°C
Decomposition temperature: NA
Viscosity: Dynamic (room temperature): not applicable
Explosive properties: not explosive

9.2 Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions. No specific test data related to reactivity available for this product

10.2. Chemical stability

The product is stable under normal conditions

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Unknown

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Species: Rat 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

Serious eye damage/ eye irritation: Species: rabbit

Result: slight irritant effect - does not require labelling

Respiratory/skin sensitization: Species: Guinea pig

Result: non-sensitizing

Classification: Did not cause sensitization on laboratory animals.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

Sensitizer: Not available
Mutagenicity: Not available
Carcinogenicity: Not available
Reproductive toxicity: Not available
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration hazard: Not available.

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)

The toxicological data refer to the undiluted 100 % product.

12. Ecological information

12.1. Toxicity

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available. Do not allow to enter soil, waterways or waste water canal.

The product is considered to be a water pollutant (German law).

13. Disposal considerations

13.1. Waste treatment methods

Product: 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

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

15.2. Chemical safety assessment

No chemical safety assessment was carried out for this product

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CMR = Carcinogen, Mutagen or Reproductive toxicant

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report.

DNEL: Derived No Effect Level.

EC number = EINECS or ELINCS number

EINECS: European Inventory of Existing Commercial Chemical Substances.

EWC = European Waste Catalogue

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.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CERAMIDE

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

LC50 = Median lethal concentration

LD50 = Median lethal dose

NOAEL = No observed adverse effect level

NOEC = no observed effect concentration

NOEL = no observed effect level

PBT = Persistent, Bioaccumulative and Toxic

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.

SVHC = Substances of Very High Concern

VOC = Volatile Organic Compound

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.