



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Professional Cream Base

1. Identification of the substance/mixture and company

Trade name: Professional Cream Base
INCI Aqua, Caprylic / Capric Triglycerides, Pentylene Glycol, Hydrogenated Lecithin, Glycerin, Butyrospermum Parkii Butter, C12-16 Alcohols, Palmitic Acid, Squalane, Ceramide NP
CAS No. : /
EINESCS No. : /
REACH pre-registration No. : /
Utilization: Manufacture of cosmetics
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
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

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling: Pentane-1,2-diol

Signal word: Danger



Pictograms:

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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/doctor.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

3. Declaration of ingredients

3.1 na

3.2. Mixtures

Hazardous components

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

Substance	EC-no	REACH	Classification	Percent %
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Pentane-1 ,2-diol	226-285-3	01-2119491291-39	Eye Dam. 1; H318	5 - < 10 %
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Full text of H and EUH statements: see section 16.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

4. First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures



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6.1. Personal precautions, protective equipment and emergency procedures

Safe handling: see section 7

Personal protection equipment: see section 8

6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Disposal: see section 13

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C Protect against: Light. UV-radiation/sunlight. heat. moisture.

7.3. Specific end use(s)

See section 1.

8. Exposure controls / personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No Substance ppm mg/m³ fibres/ml Category Origin

56-81-5 Glycerol, mist - 10 TWA (8 h) WEL

DNEL/DMEL values

CAS No Substance

DNEL type Exposure route Effect Value 5343-92-0 Pentane-1,2-diol



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Worker DNEL, long-term dermal systemic 25 mg/kg bw/day
Worker DNEL, acute dermal systemic 25 mg/kg bw/day
Worker DNEL, long-term dermal local 2,02 mg/cm²
Worker DNEL, acute dermal local 2,02 mg/cm²
Consumer DNEL, long-term inhalation systemic 4,4 mg/m³
Consumer DNEL, acute inhalation systemic 8,8 mg/m³
Consumer DNEL, long-term dermal systemic 12,5 mg/kg bw/day
Consumer DNEL, acute dermal systemic 12,5 mg/kg bw/day
Consumer DNEL, long-term dermal local 1,1 mg/cm²
Consumer DNEL, acute dermal local 1,1 mg/cm²
Consumer DNEL, long-term oral systemic 1,25 mg/kg bw/day
Consumer DNEL, acute oral systemic 1,25 mg/kg bw/day
Worker DNEL, long-term inhalation systemic 17,6 mg/m³
Worker DNEL, acute inhalation systemic 35,2 mg/m³

PNEC values

CAS No Substance

Environmental compartment Value

5343-92-0 Pentane-1,2-diol

Freshwater 0,5 mg/l

Freshwater (intermittent releases) 5 mg/l

Marine water 0,05 mg/l

Freshwater sediment 1,85 mg/kg

Marine sediment 0,185 mg/kg

Micro-organisms in sewage treatment plants (STP) 5500 mg/l

Soil 0,076 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Protective and hygiene measures



Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). DIN EN 166

Hand protection

Wear suitable gloves. Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm Breakthrough time \geq 8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection



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With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

- exceeding exposure limit values
- insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state: paste

Colour: light beige

Odour: neutral, characteristic

pH-Value (at 20 °C): 5,5-6,5

Changes in the physical state not determined

Melting point: not determined

Initial boiling point and boiling range: not determined

Sublimation point: not determined

Softening point: not determined

Pour point: not determined

Flash point: not determined

Sustaining combustion: Not sustaining combustion

Explosive properties not determined

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: not determined

Auto-ignition temperature not determined

Gas: not determined

Decomposition temperature: none

Oxidizing properties not determined

Vapour pressure: not determined

Density (at 20 °C): 0,98-1,00 g/cm³

Water solubility: not determined

Solubility in other solvents not determined

not determined not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined



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9.2. Other information not determined

Solid content: not determined

9.2 Other information

None

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

11. Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

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

CAS No Chemical name

Exposure route Dose Species Source Method

5343-92-0 Pentane-1,2-diol

oral LD50 mg/kg > 5000 Rat REACH Dossier OECD Guideline 401

dermal LD50 mg/kg > 2000 Rat REACH Dossier OECD Guideline 402

inhalation (4 h) vapour LC50 mg/l [7,015] ECHA Dossier

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Pentane-1,2-diol: In-vitro mutagenicity: OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

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

Pentane-1,2-diol (CAS-No.: 5343-92-0):

Subchronic oral toxicity

Exposure time: 90d



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Species: Wistar Rat.

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Result: NOAEL = 1000 mg/kg bw/day

Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

12. Ecological information

12.1. Toxicity

The product has not been tested.

12.2. Persistence and degradability

The product has not been tested.

Pentane-1,2-diol OECD 301E / EEC 92/69 annex V, C.4-B Easily biodegradable (concerning to the criteria of the OECD)

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging: Handle contaminated packages in the same way as the substance itself.

14. Transport information

14.1 UN number No dangerous good in sense of this transport regulation

ADR: -

IMDG: -

IATA: -

Customs Code: -

14.2 UN shipping name No dangerous good in sense of this transport regulation

ADR: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods



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14.3 Class of danger for transport No dangerous good in sense of this transport regulation

ADR: -

IMDG: -

IATA: -

14.4 Packing group No dangerous good in sense of this transport regulation

ADR: -

IMDG: -

IATA: -

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Refer to section 6-8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not relevant

15. Regulatory information

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

EU regulatory information

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Employment restrictions:

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Pentane-1,2-diol

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.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.



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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.
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.

Relevant H and EUH statements (number and full text)

H318 Causes serious eye damage.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

INCI	CAS	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	-
Eugenol	97-53-0	-



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Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lyral (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

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.