



# SDS

## SAFETY DATA SHEET

ACCORDING TO GLOBALLY HARMONIZED SYSTEM (GHS), REGULATION (EC) NO. 1907/2006  
(REACH) AND REGULATION (EC) NO. 1272/2008 (CLP)

	<b>Hair Shine Ester</b>	REVISION : 01 DATE: May / 2021
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### 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Identifier

**1.1.1. Trade Name:** Hair Shine Ester

**1.1.2. INCI Name:** (Suggested): Castor Oil Propanediol Esters.

**1.2. Relevant identified uses of the substance or mixture and uses advised against:** SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites / PC39 - Cosmetics, Personal Care Products.

#### 1.3. Details of the supplier of the Safety Data Sheet

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz

**1.4. Emergency telephone number:** Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/ denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

### 2 – HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**2.1.1. Classification according to Regulation (EC) No. 1272/2008 (CLP) / GHS:** Product not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) /Globally Harmonized System (GHS).

#### 2.2. Label elements

##### 2.2.1. Labelling according to Regulation (EC) No. 1272/2008 (CLP) / GHS

**Hazard pictograms:** Not required.

**Signal Word:** Not required.

**Hazard Statements:** Not required.

**Precautionary statements:** Not required.

**2.3. Other hazards which do not result in classification:** None known.

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Substance

CAS Number	Identification name	Weight % content (or range)	REACH Registration
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### 3.2. Mixture

**Description of the mixture:** Mono and diester of 1,3-Dihydroxypropane and glycerol

Ingredient (INCI or Chemical Name)	CAS Number	EC Number*	Concentration Range % (w/w)	REACH Registration	Classification according to Regulation (EC) No. 1272/2008 (CLP) / GHS
Castor Oil Propanediol Esters	1296811-16-9	-	99.00 - 99.90	Exempt (Below 1 Tonne per Year)	Not classified according CLP/ GHS
Ricinus Communis (Castor) Seed Oil	8001-79-4	232-293-8 (I)	0.10 - 0.90	Exempt (Annex V)	Not classified according CLP/ GHS
Tocopherol	2074-53-5	218-197-9 (I)	0.01 - 0.09	Exempt (Below 1 Tonne per Year)	Skin Sensitization: Category 1B - H317

\* EINECS – (I); ELINCS – (L); No-Longer Polymer – (NLP)

**Additional Information:** None.

## 4 – FIRST AID MEASURES

### 4.1. Description of first aid measures

- 4.1.1. General Notes:** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.
- 4.1.2. Following Inhalation:** Remove the victim to fresh air and seek immediate medical attention, if necessary. If not breathing, give artificial respiration or oxygen.
- 4.1.3. Following Skin contact:** Wash skin with soap and water and remove the contaminated clothes and shoes. Seek medical attention immediately, if necessary.
- 4.1.4. Following Eye contact:** Flush eyes with plenty of clean water, keeping the eyes opened to assure the product's removal. Seek medical attention immediately, if necessary.
- 4.1.5. Following Ingestion:** Wash mouth abundantly with water. Do not induce vomit or ingest liquid unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention.



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**4.1.6. Self-protection of the first aider:** Wear proper personal protective clothing and equipment.

**4.2. Most important symptoms / Effects, both acute and delayed:** Product not classified as hazardous according to CLP/GHS.

**4.3. Indication of any immediate medical attention and special treatment needed:** Symptomatic treatment. Do not induce vomit.

### 5 – FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

**5.1.1. Suitable extinguishing media:** Dry chemical, carbon dioxide, foam, and water in fog form.

**5.1.2. Unsuitable extinguishing media:** Do not use direct water stream, unless operated by trained person.

#### 5.2. Special hazards arising from the substance or mixture

**5.2.1. Hazardous combustion products:** In case of fire, carbon dioxide, carbon monoxide and water in fog form may be released. In certain combustion conditions, traces of other toxic substances may not be excluded.

**5.3. Advice for fire-fighters:** Full protective clothing, including breathing mask (SCBA).

### 6 – ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Protective equipment:** Use appropriate protection equipment (Section 8).

**Emergency procedures:** Do not walk on the spilled product.

**6.1.2. For emergency responders:** Use appropriate protection equipment (Section 8). Floor may become slippery.

**6.2. Environmental precaution:** Avoid material from entering drains and rivers.

**6.2. Environmental precaution:** Avoid material from entering drains and rivers.

#### 6.3. Methods and materials for containment and cleaning up

**6.3.1 For containment:** Remove the product with appropriate absorbent material, such as sand, sawdust, absorbent blankets, etc. Dispose it, in an appropriated container, in compliance with local laws and regulation.

**6.3.2 For cleaning up:** Remove the product mechanically with adequate absorbent material, as shovel, broom, etc., disposing it in an appropriated container. Water is indicated to be used freely with any common detergent.

**6.3.3 Other information:** None.

**6.4. Reference to other sections:** Protection equipment see Section 8.



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### 7 – HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

##### 7.1.1. Protective measures

**Measures to prevent fire:** Not applicable. Product not flammable under usual conditions. Keep preemptively away from sources of ignition and heat.

**Measures to prevent aerosol and dust generation:** Not applicable.

**Measures to protect the environment:** Avoid material from entering drains and rivers.

**7.1.2. Advice on general occupational hygiene:** Wash contaminated clothing before reuse. Wash hands before and after handling. Use disposable surgical mask to prevent contamination of the product. Do not eat, drink or smoke when handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

**7.2.1. Technical measures and storage conditions:** Store in a sheltered, dry, ventilated area, at room temperature. Product remains stable until expiry date indicated if stored in its original sealed packaging. Homogenize before using or sampling. Seal the packaging under nitrogen atmosphere properly after use or sampling. Avoid exposing the product to air.

**7.2.2. Packaging materials:** Package properly sealed and labeled, under nitrogen atmosphere.

**7.2.3. Requirements for storage rooms and vessels:** None specific requirement necessary.

**7.2.4. Storage class:** Not applicable.

**7.2.5. Further information on storage conditions:** Protect containers against damage.

#### 7.3. Specific end use(s)

**7.3.1. Recommendations:** Industrial use.

**7.3.2. Industrial sector specific solutions:** Cosmetic industry.

### 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

**8.1.1. Occupational exposure limit:** Not available.

**8.1.2. Recommended monitoring procedures:** No special requirements under normal use conditions.

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

**Substance/mixture related measures to prevent exposure during identified uses:** Use appropriated protection equipment.



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**Structural measures to prevent exposure:** No engineering control measure is required. However, it is recommended ensure adequate ventilation and keep shower and eyewash near the workplace.

**Organisational measures to prevent exposure:** Provide appropriated protection equipment (Section 8.2.2).

**Technical measures to prevent exposure:** No special requirements under normal use conditions.

### 8.2.2. Personal protection equipment

**Eye and face protection:** Safety glasses.

**Skin protection:**

**Hand protection:** Protective gloves.

**Other skin protection:** Apron or Laboratory coat and rubber or PVC boots.

**Respiratory protection:** Disposable mask.

**Thermal hazards:** Not applicable.

### 8.2.3. Environmental exposure controls

**Substance/mixture related measures to prevent exposure:** Avoid material from entering drains and rivers.

**Instruction measures to prevent exposure:** No special requirements under normal use conditions.

**Organisational measures to prevent exposure:** Avoid material from entering drains and rivers.

**Technical measures to prevent exposure:** No special requirements under normal use conditions.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**9.1.1. Appearance:** Oily liquid. Slightly viscous to viscous. Yellow to orange. May occur formation of precipitate. Shake the package (homogenizing the product) before sampling or using.

**9.1.2. Odour:** Characteristic.

**9.1.3. Odour threshold:** Not available.

**9.1.4. pH:** Not applicable.

**9.1.5. Melting point/Freezing point:** Not available.

**9.1.6. Initial boiling point/Boiling range:** 460 - 728°C at 760.00 mm Hg.

**9.1.7. Flash point:** > 250°C (Open cup - 760 mmHg)

**9.1.8. Evaporation rate:** Not available.

**9.1.9. Flammability (solid, gas):** Not available.

**9.1.10. Upper/lower flammability or explosive limits:** Not available.

**9.1.11. Vapour pressure:** Not available.

**9.1.12. Vapour density:** Not available.

**9.1.13. Relative density:** approximately 0.9583



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**9.1.14. Solubility(ies):** Insoluble in water, soluble in oil and in low HLB surfactants.

**9.1.15. Partition coefficient (n-octanol/water):** Not available.

**9.1.16. Auto-Ignition temperature:** Not available.

**9.1.17. Decomposition temperature:** Not available.

**9.1.18. Viscosity:** Not available.

**9.1.19. Explosive properties:** Not applicable.

**9.1.20. Oxidising properties:** Not available.

**9.2. Other information:** Refractive Index: Approx. 1.4790 (25°C).

### 10 – STABILITY AND REACTIVITY

**10.1. Reactivity:** Not available.

**10.2. Chemical Stability:** Product is stable under regular conditions.

**10.3. Possibility of hazardous reactions:** None known.

**10.4. Conditions to avoid:** Dust, humidity, open packaging, inappropriate handling.

**10.5. Incompatible materials:** None known.

**10.6. Hazardous decomposition products:** In case of fire, carbon dioxide, carbon monoxide and water in fog form may be released. In certain combustion conditions, traces of other toxic substances may not be excluded.

### 11 – TOXICOLOGICAL INFORMATION

#### 11.1. Acute Toxicity

##### 11.1.1. Oral

Test / Type	Result
Not available.	Chemical not classified as hazardous according to CLP/GHS.

##### 11.1.2. Dermal

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

##### 11.1.3 Inhalation

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.



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### 11.2. Skin corrosion/Irritation

Test / Type	Result
Repeated Dermal Irritation (PC5) / Clinical Assessment	It was not observed dermal irritation potential.
Photoirritation/ Clinical Assessment	It was not observed photoirritation potential.

### 11.3. Serious eyes damage /Irritation

Test / Type	Result
BCOP / In vitro Test	Non irritant.

### 11.4. Respiratory or Skin Sensitization

Test / Type	Result
Photosensitization / Clinical Assessment	It was not observed photoirritation potential.
Dermal Sensitization (HRIPT) / Clinical Assessment	It was not observed skin sensitization potential.

### 11.5. Germ cell mutagenicity

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

### 11.6. Carcinogenicity

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

### 11.7. Reproductive toxicity

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

### 11.8. STOT-Single exposure

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

### 11.9. STOT-repeated exposure

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.

### 11.10. Aspiration Hazard

Test / Type	Result
Not available	Chemical not classified as hazardous according to CLP/GHS.



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### 11.11. Specific effects

Test / Type	Result
Mutagenicity (Ames Test) / In vitro test	No mutagenic.

## 12 – ECOLOGICAL INFORMATION

### 12.1. Toxicity

Test / Type	Result
Not available.	Chemical not classified as hazardous according to CLP/GHS.

**12.2. Persistence and degradability:** 100% Biodegradable.

**12.3. Bioaccumulative potential:** Not available.

**12.4. Mobility in soil:** Not available.

**12.5. Results of PBT and vPvB assessment:** Not available.

**12.6. Other adverse effects:** Not available.

## 13 – DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**13.1.1 Product / Packaging disposal:** Do not reuse the package. Dispose in compliance with local laws and regulation.

**Waste codes / waste designations according to LoW:** Not available.

**13.1.2 Waste treatment-relevant information:** Dispose in compliance with local laws and regulation.

**13.1.3 Sewage disposal-relevant information:** Dispose in compliance with local laws and regulation.

**13.1.4 Other disposal recommendations:** None.

**13.1.5. Appropriate disposal of contaminated packaging:** Dispose in compliance with local laws and regulation.

## 14 – TRANSPORT INFORMATION

### 14.1. UN number:

Not regulated

### 14.2. UN proper shipping name:

Not applicable

### 14.3. Transport hazard class:

Not applicable





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#### 14.4. Packaging group:

Not applicable

#### 14.5. Environmental hazards:

Not applicable

#### 14.6. Special precautions for user: None.

#### 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/legislations specific for the substance or mixture: None.

#### 15.2. Chemical Safety Assessment: Not applicable.

Additional Information: None.

### 16 - OTHER INFORMATION

#### 16.1. Training advice: Not required.

#### 16.2. Recommended restrictions on use: None.

#### 16.3. Further information:

#### 16.4. Sources of key data used:

NBR 14725 – Ficha técnica de Segurança de Produtos Químicos – FISPQ

ONU - GHS: Globally Harmonized System

Regulation (EC) N°. 1907/2006 (REACH)

Regulation (EC) N°. 1272/2008 (CLP)

#### 16.5. Revision Number:

##### 16.5.1. Subject of revision (added, deleted or revised information):

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions to the operations mentioned are beyond our control. The information relates only to the specific designated material and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. **Ekokoza** disclaims any liability



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for loss or damage resulting from the use of these data, information or suggestions. All of these data, information and suggestion are of good faith.

Document	Revision	00	01				
Alterations Report	Alterations Request	14217/20	14502/21				