

Trade name: Cremophor EL

Substance number: 062987

Version: 3 / CH

Date revised: 17.12.2018

Replaces Version: 2 / CH

Print date: 01.10.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Cremophor EL

Item No. 06298700

Substance / product identification

CAS-No. 61791-12-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Pharmaceutical excipient

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

3.1. Substances

Further ingredients

Castor oil, ethoxylated

CAS No. 61791-12-6

EINECS no. 500-151-7

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely.

After inhalation

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Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with eyes rinse thoroughly with water.

After ingestion

Rinse out mouth and give plenty of water to drink. Take medical treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Water spray jet, Foam, Dry powder

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

6.2. Environmental precautions

Dilute with lot of water. Do not empty into drains. Do not discharge into surface waters/groundwater. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing. Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value < 25 °C

Hints on storage assembly

Not required.

Further information on storage conditions

Keep container tightly closed. Keep container tightly closed, cool and dry.

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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Use breathing apparatus in dust/fumes/mist-laden atmosphere. Particle filter P2

Hand protection

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Appropriate Material	Butyl rubber
Material thickness	0.7 mm

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Oily
Colour	light yellow
Odour	slightly perceptible
pH value	
Value	6 to 8
Concentration/H ₂ O	100 g/l
Temperature	20 °C
Melting point	
Value	4 °C
Initial boiling point and boiling range	
Value	233.8
Pressure	995 hPa
Source	GESTIS-Stoffdatenbank
Flash point	
Value	257 °C
Method	ISO 2592
Flammability (solid, gas)	
Not ignitable	
Upper/lower flammability or explosive limits	
Remarks	No data available
Density	
Value	1.05 to 1.06 g/cm ³
Temperature	20 °C
Solubility in water	
Value	100 g/l
Temperature	20 °C

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Remarks easily soluble

Solubility(ies)

Dichloromethane

Remarks

completely soluble

Ethanol

Remarks

easily soluble

Ignition temperature

Value

405

°C

Method

DIN 51794

Viscosity**dynamic**

Value

650

to

800

mPa.s

Temperature

25

°C

9.2. Other information**Other information**

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Castor oil, ethoxylated**

Species

rat

LD50

> 6400

mg/kg

Method

BASF-test

Acute dermal toxicity (Components)**Castor oil, ethoxylated**

Species

rat

LD50

> 5000

mg/kg

Skin corrosion/irritation

Remarks

No effect of irritation known.

Serious eye damage/irritation

Remarks

No effect of irritation known

Sensitization

Remarks

No data available.

Sensitization (Components)**Castor oil, ethoxylated**

evaluation

non-sensitizing

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Mutagenicity (Components)**Castor oil, ethoxylated**

evaluation

No mutagenicity according to various in vitro tests.

Other information

By appropriate use of the product no health damage is known.

Not a dangerous mixture in the sense of Directive 67/548/EC of the Directive 1999/45/ EG (Product in polymer-bound form).

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Castor oil, ethoxylated**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	448	mg/l
Duration of exposure	48	h
Method	DIN 38412 T.15	

Daphnia toxicity (Components)**Castor oil, ethoxylated**

Species	Daphnia magna	
EC50	> 100	mg/l
Method	OECD 202	

Algae toxicity (Components)**Castor oil, ethoxylated**

Species	Desmodesmus subspicatus	
EC50	> 93	mg/l
Method	OECD 201	

Bacteria toxicity (Components)**Castor oil, ethoxylated**

Species	activated sludge	
EC20	> 1000	mg/l
Method	OECD 209	

12.2. Persistence and degradability**Biodegradability (Components)****Castor oil, ethoxylated**

Value	90	to	100	%
Duration of test	21	d		
Method	OECD 302B			
Remarks	Not readily biodegradable.			

12.6. Other adverse effects**General information / ecology**

Do not release into waterways untreated. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

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Disposal recommendations for packaging

Uncontaminated packaging may be treated as household waste.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 1
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Remarks	Classification according to Annex 2 VwVwS
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SECTION 16: Other information**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.