

SAFETY DATA SHEET		
according to Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH)		
CASTOR OIL		
Release date: 27/11/2017	Date of revision: 21.3.2023	Version B

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING

### 1.1 Product identifier

Name of substance or preparation: CASTOR OIL

Production process: cold pressed

Other names of the substance or preparation: INCI name: Ricinus communis seed oil

REACH registration number: CAS

number: 8001-79-4

EINECS number: 232-293-8

**1.2 Relevant uses of the substance or mixture and uses** advised against Use in the cosmetic and pharmaceutical industry.

### 1.3 Detailed information about the supplier of the safety data sheet

Name or business name: Ekokoza s.r.o

Place of business or registered

office: Fryšovice 297 73945

Website: Phone:

Fryšovice

Fax: E-

www.eshop.ekokoza.cz

+420605779993

mail

address of the professionally qualified person responsible for the safety data sheet: [eshop@ekokoza.cz](mailto:eshop@ekokoza.cz)

### 1.4 Telephone number for emergency situations Toxicology

Information Centre, Na Bojišti 1, 128 08 Prague 2 Telephone (24 hours/day): +420

224 919 293, +420 224 915 402

## SECTION 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or

mixture The product is not classified as dangerous.

### 2.2 Marking elements

The product is not subject to mandatory labeling according to Directive 67/548/EEC, 1999/45/EC or Regulation 1272/2008/EC.

### 2.3 Other hazards

No hazards under normal conditions of use.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Product characteristics

Triglycerides of fatty acids, with approximately 80-85% castor oil.

### 3.1 Substances / 3.2 Mixtures

CAS Number: 8001-79-4	Castor oil	100 %
EINECS Number: 232-293-8	-	
REACH Number:	-	

The full wording of R-phrases and H-phrases is given in point 16.1.

## SECTION 4: FIRST AID INSTRUCTIONS

### 4.1 Description of first aid

If symptoms persist or in case of more serious health damage, always seek medical help.

#### When inhaling

Move the victim to fresh air. In case of irritation, seek medical attention.

#### In contact with skin

Remove contaminated clothing, wash affected skin with running water and soap. In case of irritation, seek medical attention.

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On **contact with** the eyes

Immediately flush wide open eyes with running water for at least 10 minutes. Seek medical attention.

When **ingested**

See a doctor.

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

Information not available.

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

Information not available.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Hasiva

Suitable extinguishing agents

Foam, powder, carbon dioxide, sand.

Unsuitable fire extinguishers

Water.

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

None.

### 5.3 Instructions for fire-

**fighters** In case of insufficient ventilation, use suitable breathing apparatus. Depending on the size of the fire, use full protective equipment.

#### Additional

**information** Avoid contact with oxidizing agents.

## SECTION 6: ACCIDENTAL RELEASE MEASURES \_

**6.1 Personal precautions , protective equipment and emergency procedures** Use personal protective equipment. Usual precautions when working with chemicals.

### 6.2 Environmental protection measures

Prevent leakage into underground, surface and waste waters, soils and sewers by using appropriate barriers (sand, clay).

### 6.3 Methods and material for containment and cleaning up

Follow up with an absorbent (clay, sand, universal absorbent) and transfer to a suitable, marked replacement container and dispose of in accordance with regulations.

### 6.4 Link to other sections

Other see. sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use personal protective equipment (see point 8). Follow the rules for working with chemicals. Do not eat, drink or smoke while working. After work and before eating, wash your hands with soap and water and treat with repair cream.

### 7.2 Conditions for safe storage of substances and mixtures , including incompatible substances and mixtures

Store in tightly closed containers. Protect from direct sunlight, heat sources and strong oxidizing agents. Store at room temperature. Store packaging separately from food.

### 7.3 Specific end use / specific end use

Information not available.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT

### 8.1 Control parameters

There are none.

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8.2 Limiting exposure

Store separately from food, drink and animal feed. Remove clothing contaminated with the product immediately. Follow the rules for working with chemicals.

Respiratory protection None.

Hand protection  
None.

Eye protection  
Protection glasses.

Skin protection  
None.

Limiting environmental exposure No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties State liquid Color light yellow

odor (smell)	characteristic

Size	Value	Unit
pH value	information not available > 300	-
Boiling point (boiling point range)		°C
Melting point (melting point range)	information not available information	°C
Freezing point	not available 229	°C
Point of ignition		°C
Ignition temperature	450	°C
Gas class	information not available information	-
Combustibility	not available information not available	-
Spontaneous ignition	unknown	°C
Explosive properties		-
Explosive limits γ upper limit γ lower limit	information not available vol.% information not available vol.% information not available	not
	available vol.% information not available information	insoluble
Oxidizing properties	information not available information	-
Solubility γ in water γ in fats	not available	g.dm-3
(including oil specification)	information not available 0.955 –	-
Partition coefficient n-octanol/water	0.968 9.5 - 11 information not	-
Miscibility	available > 1	-
Density (20°C)		g.cm-3
Viscosity (20°C)		dPa.s
Conductivity		S.cm-1
Vapor tension (20°C)		mbar
Relative vapor density	information not available information	-
Evaporation rate	not available dm3 .h-1	

9.2 Additional information No

information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity No

information available.

10.2 Chemical stability The product

is stable under normal conditions of storage and handling.

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**10.3 Possibility of hazardous reactions**

No information available.

**10.4 Conditions to avoid** No information available.

**10.5 Incompatible materials**

Avoid contact with oxidizing agents.

**10.6 Hazardous decomposition products**

Not produced under normal storage conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Not classified as a dangerous substance. If used correctly, it will not cause any harm to health.

**Acute toxicity**

- LD50 oral, rat (mg.kg-1 ): > 4950 • LD50 dermal, rat (mg.kg-1 ): no information available • LC50 inhalation, rat, for aerosols or particles (mg.dm-3): information is not available
- LC50 by inhalation, mouse, 4 h, for gases and vapors (mg.dm-3 ): no information available

**Irritability and corrosiveness**

Skin irritation: unknown

Eye irritation: unknown

**Sensitization**

Skin sensitivity: unknown

**Repeated dose toxicity**

Information not available.

**Carcinogenic**

Information not available.

**Mutagenita**

Information not available.

**Reproductive toxicity**

Information not available.

**More information**

Information not available.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

- LC50, 96 hours, fish (mg.dm-3): • > 1000
- LC50, 48 hours, daphnia (mg.dm-3): information not available
- IC50, 72 hours, algae (mg.dm-3): information not available
- EC10 , bacteria (mg.dm-3): 54,000 Ps. putida

**12.2 Persistence and Degradability**

Biodegradable: > 60% (RDA test)

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

Information not available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

Not specified.

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**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Methods of removing the substance or preparation and contaminated packaging**

The marked waste should be handed over for removal, including the waste identification sheet, to a specialized company authorized for this activity.

Recommended detergent: water and detergent.

Act No. 185/2001 Coll., on waste as amended.

If this product and its packaging become waste, the end user must assign the corresponding waste code according to Decree No. 381/2001 Coll. as amended.

Act No. 477/2001 Coll. on packaging as amended.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number** not applicable

**14.2 UN proper shipping name** not applicable

**14.3 Transport hazard class / classes** not applicable

**14.4 Packaging group** not applicable

**14.5 Environmental hazard** not applicable

**14.6 Special safety precautions for users** No dangerous goods in the sense of traffic regulations.

**14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC regulation** Not applicable.

**SECTION 15: REGULATORY INFORMATION**

This safety data sheet was created in accordance with the Regulation of the European Parliament and the Council (EC) No. 1907/2006 (REACH).

**15.1 Safety, health and environmental regulations / specific legislation relating to the substance or mixture**

- REACH Regulation: Regulation of the European Parliament and of the Council (EC) No. 1907/2006 on registration, evaluation, authorization and restriction of chemical substances, as amended.
- CLP Regulation: Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging mixtures of substances; as amended
- DSD/DPD Directive: Directive 67/548/EEC and Directive 1999/45/EC
- Regulation of the European Parliament and the Council (EC) No. 648/2004 on detergents
- Act No. 356/2003 Coll. on chemical substances as amended
- Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work
- Act No. 185/2001 Coll. about waste
- Decree No. 381/2001 Coll. Catalog of waste
- Decree No. 383/2001 Coll. on waste management details
- Act No. 477/2001 Coll. on packaging as amended
- Act No. 258/2000 Coll. on the protection of public health

**15.2 Chemical safety assessment** A chemical safety assessment has not been prepared for the product.

**SECTION 16: MORE INFORMATION****List of H-phrases and R-phrases used in points 2 and 3**

None

**Training Guidelines**

- See § 101 et seq. of the Labor Code.
- Familiarize workers with the recommended method of use, mandatory protective equipment, first aid and prohibited manipulations with the substance/preparation.

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**Recommended restrictions on use**

The substance / mixture should not be used for any purpose other than that for which it is intended (see point 1.2). As the specific conditions of use of the substance/mixture are beyond the supplier's control, it is the user's responsibility to adapt the prescribed warnings to local laws and regulations.

The safety information describes the product in terms of safety and cannot be considered as technical information about the product.

**More information**

**Sources of data used to compile the safety data sheet** The information provided here is based on the best of our knowledge and current legislation. The safety data sheet was prepared based on the original safety data sheet provided by the supplier.

**Changes during the revision of the safety data sheet** Version B –

- 21.6.2012 • Overall modification of the safety data sheet according to EC Regulation No. 1272/2008
- This edition of the safety data sheet supersedes all previous versions of the safety data sheet.