

	<p align="center">CASTOR OIL</p> <p align="center">MATERIAL SAFETY DATA SHEET</p> <p align="center">According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878</p>	Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 1 / 7

I. IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY

I.I. Product Identifier:

Identification of substance/mixture: CASTOR OIL
CAS No.: 232-293-8
EC Number: Exempt
REACH Registration Number:

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

Identified uses: Cosmetic
Uses advised against: As they are not classified as hazardous, this product can be used in ways other than the uses identified, but all uses must be consistent with the safety guidelines listed.

I.III. Details of the supplier of the safety data sheet

Identification of the society or company: Ecoflores
ul. Waksmundzka 34, 34-400 Nowy Targ, Poland
tel. +48-604508229
kontakt@ecoflores.eu www.ecoflores.eu

I.IV. Emergency telephone number: 112

II. IDENTIFICATION OF HAZARDS

II.I. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

II.II. Label Elements

Labelling according to Regulation (EC) 1272/2008

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

II.III. Other hazards

No information available.

III. COMPOSITION/INFORMATION ON INGREDIENTS

III.I. Substance

Chemical description: Vegetable oil extracted from Castor Seeds.
CAS No.: 8001-79-4
EINECS No.: 232-293-8
INCI Name: Ricinus Communis Seed Oil
Chemical family: Vegetable oil

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 2 / 7

III.II. Mixture

N/A

IV. FIRST AIDS MEASURES

IV.I. Description of first aid measures

After inhalation:

Remove from exposure area to fresh air promptly.

Seek medical attention after a significant exposure.

After eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.

After ingestion: No special measures recommended. If necessary, get medical attention.

IV.II. Most important symptoms and effects, both acute and delayed

No information available.

IV.III. Indication of any immediate medical attention and special treatment needed

No information available.

V. FIRE-FIGHTING MEASURES

V.I. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

V.II. Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

V.III. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.

Avoid inhalation of vapours that are created. Use appropriate respiratory protection.

Do not allow spillage of extinguish fire will be poured into drains or watercourses.

VI. ACCIDENTAL RELEASE MEASURES

V.I. Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition and ventilate the area.

Avoid inhalation of vapours; use an appropriate respirator.

VI.II. Environmental precautions

Keep spills out of municipal sewers and open bodies of water.

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 3 / 7

VI.II. Methods and material for containment and cleaning up

Contain and absorb spill with inert inorganic non-combustible, material, such as sand or earth, and remove it to a container for disposal according to local regulations.
 Clean the surface thoroughly to remove residual contamination.
 Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
 Ventilate area and wash spill site after material pickup is complete.
 Dispose of in accordance with current laws and regulations.

VI.IV. Reference to other sections

No information available.

VII. HANDLING AND STORAGE

VII.I. Precautions for safe handling

The usual precautions for handling chemicals should be observed.

VI.II. Conditions for safe storage, including possible incompatibilities

Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
 Store in hermetic recipients, preferably full, in a cool, dry, ventilated area away from sources of heat and direct sunlight.
 Keep away from the sources of ignition.
 Keep away from incompatible materials (see section 10).
 Prevent access to unauthorized persons.

VII.III. Specific end use(s)

No information available.

VIII. EXPOSURE CONTROLS / INDIVIDUAL PROTECTION

VIII.I. Control parameters

Declaration of substances is not required.

VIII.II. Exposure controls

VIII.II.I. Appropriate engineering controls: No information available.

VIII.II.II. Individual protection measures, such as personal protective equipment:

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Measures should be taken to prevent materials from being splashed into the eyes or on the skin.

Wear eyeshields and protective clothing.

In case of insufficient ventilation, use suitable respiratory equipment.

In the case of brief exposure, use a device filter.

Avoid contact with skin. Use of chemical resistant gloves is recommended.

Rinse and remove gloves immediately after use. Wash hands with soap and water.

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 4 / 7

VIII.II.III. Environmental exposure controls : No information available.

IX. PHYSICAL AND CHEMICAL PROPERTIES

IX.I. Information on basic physical and chemical properties

Appearance:	Oily viscous liquid
Odour:	No information available.
Colour:	Pale yellow
pH:	No information available.
Melting/freezing point:	No information available.
Boiling point:	220 °C
Flash point:	> 250 °C
Evaporation rate:	No information available.
Flammability (solid, gas):	No information available
Upper flammability or explosive limits (UEL):	No information available.
Lower flammability or explosive limits (LEL):	No information available.
Vapor pressure at 20°C:	No information available.
Vapour density:	No information available.
Relative density:	0.957 - 0.961 g/ml
Solubility:	Not soluble in water. Soluble in alcohol and ether.
Partition coefficient (n-octanol/water):	No information available.
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available.
Viscosity:	No information available.

IX.II. Additional information

No information available.

X. STABILITY / REACTIVITY

X.I. Reactivity

This product is considered as stable in specified storage conditions. Unstable at high temperatures.

X.II. Chemical stability

This product is considered as stable in specified storage conditions. Unstable at high temperatures.

X.III. Possibility of hazardous reactions

At high temperatures, acrolein may be produced.

X.IV. Conditions to avoid

Excessive heat, flame or other ignition sources, high temperatures and strong oxidizing agents.

X.V. Incompatible materials

Strong acids, strong bases, strong oxidizers.

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 5 / 7

X.VI. Hazardous decomposition products

During combustion may be formed carbon monoxide and unidentified organic compounds.

XI. TOXICOLOGICAL INFORMATION

XI.I. Information on the hazard classes defined in Regulation (EU) No. 1272/2008

XI.I.I. Acute Toxicity:

Based on available data, the classification criteria are not met

XI.I.II. Skin Corrosion/Irritation:

Based on available data, the classification criteria are not met

XI.I.III. Serious Eye Damage/Irritation:

Based on available data, the classification criteria are not met

XI.I.IV. Respiratory or Skin Sensitization:

Based on available data, the classification criteria are not met

XI.I.V. Germ Cell Mutagenicity:

Based on available data, the classification criteria are not met

XI.I.VI. Carcinogenicity:

Based on available data, the classification criteria are not met

XI.I.VII. Reproductive Toxicity:

Based on available data, the classification criteria are not met

XI.I.VIII. STOT-single exposure:

Based on available data, the classification criteria are not met

XI.I.IX. STOT-repeated exposure:

Based on available data, the classification criteria are not met

XI.I.X. Aspiration Hazard:

Based on available data, the classification criteria are not met

XI.II. Information on other hazards

No information available.

XII. ECOLOGICAL INFORMATION

XII.I. Toxicity

No information available.

XII.II. Degradability

Biodegradable.

XII.III. Bioaccumulative potential

No information available.

XII.IV. Soil mobility

No information available.

XII.V. Results of PBT and vPvB assessment

No information available.

XII.VI. Other adverse effects

See also Sections 6, 7, 13 and 15. Do not allow to get into waste water or waterways.

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 6 / 7

XIII. DISPOSAL CONSIDERATION

XIII.I. Waste treatment methods

Dispose of in accordance with all federal, state and local environmental regulations.

XIV. TRANSPORT INFORMATION

XIV.I. UN number or ID number

No dangerous good according to transport regulations

XIV.II. UN proper shipping name

No dangerous good according to transport regulations

XIV.III. Transport hazard class

No dangerous good according to transport regulations

XIV.IV. Packing group

No dangerous good according to transport regulations

XIV.V. Environmental hazards

No dangerous good according to transport regulations

XIV.VI. Special precautions for user

No dangerous good according to transport regulations

XIV.VII. Maritime transport in bulk according to IMO instruments

No dangerous good according to transport regulations

XV. REGULATORY INFORMATION

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

ECC: This product complies with the requirements of the European Inventory of Existing Chemical Substances (EINECS).

XV.II. Chemical safety evaluation

No information available.

XVI. OTHER INFORMATION

This sheet is an addition to the technical sheet and does not substitute it. The information contained in the present sheet is based on our actual knowledge of the product.

The present information is honest. It is recommended to take the necessary safety measures due to the possible risks that can occur when the product is used for other uses than those indicated in the present document. This sheet doesn't exempt the user of knowing and applying the whole texts that regulate his activity. The user is responsible to take the necessary precautions which regard to the use of the product which he knows. The present data list isn't exhaustive.

The user is not exempted to verify other obligations that are imposed on him with regard to the existence of other texts which regulate the possession and use of the product and for which the user is the only responsible.

	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Regulations (CE) 453/2010, (EU) 2015/830 & (EU) 2020/878	
		Edition: 3 ^a - 25-01-23
		Printed: 25/01/23
		Page: 7 / 7

- Latest revision date: 31-03-2022

- Reason for revision: The modification has been made in accordance with regulation (EU) 2020/878

-Explanation of the abbreviations and acronyms used

Abbr.	Descriptions of used abbreviations
AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous goods by Rail
SVHC	Substance of Very High Concern
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative