



Castor Oil

05/09/2023

TECHNICAL DATA SHEET (TDS)

Product Name: CASTOR OIL ORGANIC

INCI Name: Ricinus Communis Seed Oil

Appearance: Colorless to yellow liquid, without odor

Description: Vegetable Oil

Production Method: Vegetable oil obtained by cold expression of the seed.

Quality 100% Pure and Natural

Solubility: Soluble in alcohols; Insoluble in water

Batch Number: E2001127



vessel
essential oils

Castor Oil

Chemical Characterization – Identification Numbers

INCI name : Ricinus Communis Seed Oil

Botanical name : *Ricinus Communis*

CAS-No. : 8001-79-4

EINECS-No : N/A

PHYSICAL DATA

Refractive Index: 1,480 (1.469 – 1.489 @ 20°C)

Specific Gravity (g/mL): 0.962 (0.948 – 0.970 @ 20°C)

Flash Point: >300°C

Peroxide value (meqO₂/kg): 0.60 (<10.0)

Acid value: (mg KOH/g): 0.14 (<4.0)



vessel
essential oils

Castor Oil

COMPOSITION

Parameters	Results	Specifications
Palmitic Acid (%)	1,1	<2
Stearic Acid (%)	1,1	<2,5
Oleic Acid (%)	4,1	2,6-6
Linoleic Acid (%)	4,0	2,5-7
Ricinoleic Acid (%)	89,55	85-92

ADDITIONAL ANALYTICAL DATA

Optical Rotation (°): Not known

LIMITED AROMATIC COMPONENTS

Limited components are not present

FOOD ALLERGENS (Reg. 1169/2011)

Major allergens are not present

INDICATIONS

Status/Irradiation: Does not contain any irradiated ingredient

IFRA CONFORMITIES

IFRA conformity: Product not explicitly regulated by IFRA

COSMETIC REGULATION



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Sensitizers listed by SCCNFP: Not present

FDA STATUS

HTC (Harmonized Tarif Code): 3301.29.5150

GMO STATUS

According To EU Reg. 1829 & 1830/2003:

This product does not entail any GMO labeling in the finished product

INCI/IUPAC and other NAMES

INCI/CTFE Name: Ricinus Communis Seed Oil

BOTANICAL OR ANIMAL IDENTIFICATION

Origin of the product: Vegetal

Botanical family: Euphorbiacae

Botanical or scientific name: *Ricinus Communis*

Part of the plant used: Dried seeds

Crop time: May/June

REGULATORY DEFINITION OF THE PRODUCT

Definition as per Reg. 1334/2008/EC: Flavoring preparation
Article 3 2 d) i) Food Source

FDA § 101.22 CFR: Natural under § 101.22 (a) (3)

ISO STANDARD 9235:2013: 2.11 Vegetable Oil

INVENTORY REGISTRATIONS

CAS Inventory: Listed Ingredient(s)



vessel
essential oils

Castor Oil

EINECS/ELINCS Inventories – Europe: Listed Ingredient(s)

INVENTORY REGISTRATIONS NUMBER

CAS number: 356065-50-4

EINECS/ELINICS Nr: N/A

GEOGRAPHICAL ORIGIN OF THE PRODUCT

Product manufactured in: Brazil

RECOMMENDED USES

Suggested use: For external use

Food grade for Europe: This product is not allowed for food use in Europe

VERIFICATION OF THE DOCUMENT

Document revised: 05/09/2023

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Vessel Essential Oils provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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