



TECHNICAL DATA SHEET

Date of issue: 13/09/2018

CASTOR OIL VIRGIN

Version: 1.0

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

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Name : CASTOR OIL VIRGIN
Product code : RICHV01

SECTION 2: PRODUCTION PROCESS

Manufacture : Oil obtained from cold pressure

SECTION 3: REGULATORY SITUATION

Botanical name : Ricinus communis
INCI Name : RICINUS COMMUNIS SEED OIL
CAS-No. : 8001-79-4
EC-No. : 232-293-8

SECTION 4: Physical and chemical properties

Physical state : Liquid.
Appearance : oily, slightly. Viscous.
Colour : light yellow.
Odour : characteristic.
Flash point : 229 °C
Boiling point : > 300
Relative density : ≈ 0,958 (0,955 - 0,968)
Refractive index : 1,477 - 1,48
Optical rotation :
Solubility : Solubility in ethanol. Insoluble in water.

Acid value (mg KOH / g): max 2
Peroxide value (mEq O₂ / kg): max 10
Hydroxyle value (mg KOH / g): Min 160
Unsaponifiable : max 0.8 %

Composition : C16:0 Palmitic acid : Max 2.0 %
: C18:0 Stearic acid : Max 2.5 %
: C18:1 Oleic acid : 2.5 - 6.0 %
: C18:2 Linoleic acid : 2.5 - 7.0 %
: C18:3 Linolenic acid : Max 1.0 %
: C20:1 Ecosenoic acid : Max 1.0%

Ricinoleic acid : 80.0 - 92.0 %

SECTION 5: Handling and storage

Storage conditions : Keep container closed when not in use. Protect from moisture. Protect from sunlight. Direct sunlight. Heat sources.
Maximum storage period : 18 months At the best before date, the oil preserves all its characteristics. Its manufacturing process, its conditioning, as well as the applied storage are studied to allow, if necessary, a possible extent of its validity by reanalyzing of its characteristics.

Exaflor Technical Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product