



## TECHNICAL DATA SHEET

Date of issue: 05/07/2018

# CASTOR OIL REFINED

Version: 1.0

Supersedes: 05/07/2018

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

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**Name** : CASTOR OIL REFINED

### SECTION 2: PRODUCTION PROCESS

**Manufacture** : Oil obtained from cold pressure followed by refining.

### 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** : ≈ 1,479  
**Optical rotation** :  
**Solubility** : Solubility in ethanol. Insoluble in water.

Acid value (mg KOH / g): max 0.8  
Peroxide value (mEq O<sub>2</sub> / 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 : 85.0 - 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*