

## CASTOR OIL, pharma quality, unrefined

Material Safety Data Sheet  
 for non dangerous product  
 Version: 1.0  
 Dated 02/08/2017

Product Name	CASTOR OIL, unrefined, PHARMA QUALITY
Concentration	100,00%
Country of Origin:	Hungary
INCI Name :	RICINUS COMMUDIS SEED OIL/Latin:Ricini Oleum
Aim of Product	Intended for cosmetic use only. Moisturises the skin and keeps it in good condition. May be used for viscosity control the formula.Contains mainly tryglycerides and also, soothing fatty acids suitable for sensitive skin.
Distributor Name :	Nordtek Imexco Kft.
Distributor Address:	2161 Csomád, Verebeshegy u. 11.
Distributor Company phone number:	+36 1 363 1447
Distributor Company e-mail and web:	<a href="mailto:info@allinpackaging.hu">info@allinpackaging.hu</a> , <a href="http://www.allinpackaging.hu">www.allinpackaging.hu</a>
Contact Person in charge :	Viola Annamária +36304785104
<p>The products is not classified as hazardous according to 1907/2006/EU regulation (REACH) paragraph 31. Therefor an MSDS is not needed to be prepared.          Not stated bioaccumulative.          Not dangerous for the environment.          It is readily biodegradable.          BOD5 and COD: Not available.</p>	
CAS # :	8001-79-4
EINECS #:	232-293-8
Description	Castor oil is obtained from the seeds of Ricinus communis, Euphorbiaceae plant. Mainly composed of ricinoleic acid 85-95%. Composition of Palmitic, Oleic and Stearic acid as well makes it useful for skin care products.

Physical and chemical data:

Appearance: Solid, ivory to yellow coloured, slightly creamy fat.

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Odor:	Typical
Melting Point[°C]:	approx.18
Boiling point [°C]:	>300
Specific gravity [g/cm3]	0,945-0,965
Solubility	Not soluble in water. Soluble in ethanol.
Flash Point [°C]:	>255
Refractive index	1,477-1,480
Saponification Value:	176-187
Iodine value:	82-90
Unsaponifiables:	0,8%
Peroxid Value [meqO <sub>2</sub> /kg]	≤ 10
Free fatty acid [%]	≤ 2
Heat Combustion (MJ/kg)	36
General Description:	May be combustibile at high temperature.
Flammable limits:	Not applicable. Keep awax from heat.
Protective equipoment during work: Lab coat, gloves,safety glasses. Avoid contact with eyes.	
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