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## Ravasol

### PU Grade Castor Oil

#### Description

Ravasol PU Grade Castor Oil is a high purity, dehydrated grade suitable for use where low water content and high purity is critical.

#### Applications

Ravasol PU Grade Castor Oil has a low water content which makes it particularly suitable for use (either alone or in combination with synthetic polyols) in polyurethane systems for CASE applications. The low residual water content should in most cases eliminate the need for molecular sieve inclusion, enabling the formulation of completely transparent systems.

Suitable for a wide variety of applications, including:-

- polyurethane systems for CASE applications
- ricinene-alkyd based paints
- plastics, fibre, textile and leather auxiliaries' industry

#### Properties

Property	Value
Appearance at 25 deg C	Pale yellow liquid, clear and free from suspended matter
Odour	Natural, very faint
Molecular Weight	928
Acid Value (mg KOH/g)	2.0 max
Colour Gardner	4 G max
Moisture (Karl Fischer) (%) or (ppm)	0.05% 500ppm
Flash Point, COC (deg F)	555
Fire Point, COC (deg F)	605
Iodine Value (Wijs) (gml <sub>2</sub> /100g)	82 - 89
Specific Heat at 25 deg C	0.50
Hydroxyl Value (mg KOH/g)	160 min
Pour Point, COC, (deg F)	-10
Refractive Index at 40 deg C	1.4783 – 1.4800
Saponification Value (mg KOH/g)	175 - 185
Specific Gravity at 25 deg C	0.952 – 0.965
Unsaponifiable Matter (%)	0.80 max
Viscosity at 25 deg C (stokes)	6.5 – 7.6
Coefficient of expansion (per deg C)	0.00066
Dielectric Strength at 25 deg C (KV)	33
Volume Resistivity at 100 deg C (ohm/cm)	20 x 10 <sup>10</sup>

TECHNICAL DATA SHEET



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Safety Classification	Non-hazardous (SDS available upon request)
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## Packaging

- 210 litre UN-standard steel drums at 190kg net
- 1000 litre Intermediate Bulk Containers at 950 kg net
- Other packaging may be available upon request

## Shelf Life

When stored / un-opened in the original packaging and protected from direct sun light at 10-30°C the shelf life exceeds 12 months. If customer's storage conditions are not aligned to these parameters, then tests should be carried out to determine the shelf life under alternative and specific storage conditions.