

Crystal® O Castor Oil
Technical Data Sheet



Product Identification

Crystal® O is a specially refined grade of castor oil, which is both odorless and tasteless, that meets the requirements of the U.S. Pharmacopoeia. Crystal® O is a light color viscous liquid with a molecular weight of 928. The principle constituent (approximately 90% is the triglyceride (ester) of ricinoleic acid. The combination of hydroxyl group and unsaturation exists only in castor oil.

Physical Properties	Property	Value
	Composition	Approximately, 90% Triglyceride of Ricinoleic Acid
	Molecular Weight	928
	Form	Clear viscous liquid
	Acid Value	1.5
	Color, Gardner	1
	Density, lbs./gal, 25°C	7.98
	Fire Point, COC, °F	605
	Flash Point, COC, °F	555
	Hydroxyl Value	164
	Iodine Value	86
	Moisture Content, %	0.1
	Pour Point, °F	-10
	Refractive Index	1.4775
	Saponification Value	180
	Specific Gravity, 25°C/25°C	0.959
	Viscosity, 25°C, Stokes	7.3

Applications

- Odorless and tasteless USP Grade Castor Oil
- Manufacture of Articles or Compounds for use in Contact with Food
- Chemical Intermediate, raw material
- Cosmetics and Pharmaceuticals
- Efficient plasticizing and pigment wetting properties

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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