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## Castor Oil #1

### General Description:

Castor Oil is extracted from the seeds of *Ricinus Communis* L. Castor beans (seeds) are produced in subtropical countries such as Brazil, India, China, etc. All castor oil used in the United States is imported from the local growing areas where the oil is extracted by several processes or a combination of processes. These processes include cold pressing, continuous screw expellers, and solvent extraction.

Castor Oil is a non-drying oil that owes its commercial value to being the only available hydroxy vegetable oil. The hydroxyl group is present on the number twelve-carbon atom of the fatty acid chains and there is a double bond between the number 9 and number 10 carbons.

Castor oil is the glyceryl tri-ester of ricinoleic acid that is also known as hydroxyoleic acid or 12-hydroxy-cis-9-octadecenoic acid. The fatty acid composition of castor oil is given as:

ricinoleic	89.5%	stearic	1.0
linoleic	4.2	dihydroxystearic	0.7
oleic	3.0	linolenic	0.3
palmitic	1.0	eicosanoic	0.3

### Typical Properties:

Acid Value	Color (Gardner) @ 25°C	Viscosity (Stokes) @ 25°C	Specific Gravity	Pounds Per Gallon	Iodine Value	Hydroxyl Value	Saponification Value	Moisture Content
2	2	7.5	0.959	7.98	86	164	180	0.15%

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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