

AA® Standard Castor Oil
Technical Data Sheet



Product Identification

AA® Standard is a commercial, quality refined grade castor oil. It is a light colored 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

| <u>Property</u> | <u>Value</u> |
|------------------------------------|--|
| Composition | Approximately, 90% Triglyceride of Ricinoleic Acid |
| Molecular Weight | 928 |
| Form | Clear viscous liquid |
| Acid Value | 1 |
| 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

- Efficient plasticizing and pigment wetting properties
- Biodegradable
- Excellent lubricating properties
- Chemical intermediate

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

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