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# Royal Castor Products Limited

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MANUFACTURERS OF CASTOR OIL DERIVATIVES

ISO 9001 - 2008 CERTIFIED

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**ADMINISTRATIVE OFFICE :**  
101, Ketan Apartments,  
233, R. B. Mehta Marg,  
Ghatkopar (East),  
Mumbai - 400 077. (INDIA)  
Ph: 91-22-2501 3641 to 46  
Fax : 91-22-2501 0384  
E-mail : rc ppl@bom3.vsnl.net.in

## LIST OF PRODUCTS

1. F.S.G. Castor Oil
2. Cold Press Castor Oil
3. Hydrogenated Castor Oil
4. 12-Hydroxy Stearic Acid
5. Ricinoleic Acid
6. Poly Ricinoleic Acid
7. Methyl 12-Hydroxy Stearate
8. Methyl Ricinoleate
9. Monoglycerides of Castor Oil
10. Sulfated Castor Oil (T.R.O – 70%)
11. Blown Castor Oil
12. Sulfurised Vegetable Oil
13. Sodium Petroleum Sulfonate
14. Calcium Petroleum Sulfonate
15. Barium Petroleum Sulfonate



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## F.S.G GRADE CASTOR OIL

## STANDARD SPECIFICATION

SR. NO	CHARACTER	LIMITS
1	COLOUR 5 ¼" CELL	Y – 20 MAX, R – 2 MAX
2	ACID VALUE	2.0 MAX
3.	F.F.A. %	1.0 MAX
4.	HYDROXYL VALUE	160 MIN
5.	SAPONIFICATION VALUE	177 – 185
6.	IODINE VALUE	82 – 90
7.	MOISTURE %	0.25 MAX

### Product Information:-

Castor Oil is known as *Ricinus cumminis*, is a triglyceride of fatty acid. It serves as an industrial raw material for the manufacture of a number of complex organic derivatives. Various reaction products find applications in diverse areas like paints, coatings, emulsifiers, wetting agents, dispersing agents and industrial greases.



Factory : At. Khali, Mehsana Sidhpur Highway, Ta. Sidhpur, Dist.: Patan (N.G.).  
Phone : 02767-22000 • 222906 • Fax : 02767 221833.

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## HYDROGENATED CASTOR OIL STANDARD SPECIFICATION

SR. NO	CHARACTER	“ A” GRADE	“ B” GRADE	POWDER
1.	PHYSICAL APPEARANCE	WHITE FLAKE	WHITE FLAKE	WHITE POWDER
2.	IODINE VALUE	2.5 MAX	3.5 MAX	3.5 MAX
3.	HYDROXYL VALUE	157 MIN	155 MIN	157 MIN
4.	ACID VALUE	2 MAX	4 MAX	3.5 MAX
5.	SAPONIFICATION VALUE	175 – 180	175 – 180	175 – 180
6.	MELTING POINT °C	86 MIN	84 MIN	84 MIN
7.	TURBIDITY	CLEAR	CLEAR	CLEAR
8.	NICKEL (PPM)	2 MAX	20 MAX	2 MAX
9.	COLOUR – GARDNER	2 MAX	3 MAX	3 MAX
10.	PARTICLE SIZE (1mm SCREEN)	-	-	99% MIN PASSES

### Product Information:-

Hydrogenated Castor Oil is source of 12- Hydroxy Stearic Acid for lithium and Calcium base lubricating greases, these multi – purpose greases have out – standing workability and life, long rang stability, high drop point and water resistance. It is also used for metal drawing lubricants and sealant, processing aid for rubber and plastics, as dielectrics compounds, and also in cosmetics and toiletries.



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## 12- HYDROXY STEARIC ACID STANDARD SPECIFICATION

SR. NO	CHARACTER	“A” GRADE	“B” GRADE	“C” GRADE	POWDER
1.	ACID VALUE	180 MIN	175 MIN	175 MIN	175 MIN
2.	SAPONIFICATION VALUE	180 – 190	180 – 190	180 – 190	180 – 190
3.	IODINE VALUE	3 MAX	3.5 MAX	3.5 MAX	3.5 MAX
4.	HYDROXYL VALUE	157 MIN	155 MIN	155 MIN	155 MIN
5.	MELTING POINT °C	75 MIN	75 MIN	75 MIN	75 MIN
6.	COLOUR – GARDNER (MOLTEN)	4 MAX	6 MAX	3 MAX	6 MAX
7.	MOISTURE %	0.5 MAX	0.5 MAX	0.5 MAX	0.5 MAX
8.	TURBIDITY	CLEAR	-	-	-
9.	PARTICLE SIZE (1 mm SCREEN)	-	-	-	99% MIN PASSES

### Product Information:-

Lubricants / Processing aid for butyl rubber. Wax firming agent in cosmetics, paints and specialty inks. Source of Hydroxy Stearic acid for glycerin free multipurpose lithium greases. It is specially made suitable for various amides.



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## RICINOLEIC ACID

### STANDARD SPECIFICATION

SR. NO	CHARACTER	LIMITS
1.	ACID VALUE	175 MIN
2.	COLOUR – GARDNER	6 MAX
3.	SAPONIFICATION VALUE	186 – 195
4.	IODINE VALUE	87 – 92
5.	HYDROXYL VALUE	155 MIN
6.	MELTING POINT °C	75 MIN
7.	MOISTURE %	1 MAX

#### Product Information:-

A liquid, hydroxy fatty acid with a double bond in the 9-10 position and a hydroxyl on the 12<sup>th</sup> Carbon, it imparts lubricity and rust-proofing Qualities to Soluble Cutting Oils. Basis for grease, Soaps, Resin, Plasticizers and Ethoxylated derivatives.

