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## Dehydrated Castor Oil (DCO) Product Data Sheet

### GENERAL INFORMATION

Dehydrated castor oil (DCO) can be used with pure and modified phenolic resins to impart alkali resistance for can linings, corrosion resistant coatings, traffic paints, ink vehicles and marine finishes. DCO is excellent for formulating alkyd and copolymer resins due to non-yellowing and outstanding color retention characteristics of dehydrated castor oil. It is obtained from dehydration process which removes the OH group of ricinoleic acid and turns it into linoleic acid.

### SPECIFIC PROPERTIES

PARAMETER	UNIT	DCO Normal Grade	DCO Pale Grade
Appearance		Yellow Clear liquid	Pale Yellow Clear liquid
Color	Gardner	7 max	4 max
Acid Number	mgKOH/g	5 max	5 max
Iodine Value	gI <sub>2</sub> /100 gm	127 min	127 min
Saponification Value	mgKOH/g	192-200	192-200
Viscosity 20 Dec C	CP	1.7-2.0	1.7-2.0
Hydroxyl Value	mgKOH/g	25 max	25 max
Density 25 Dec C	---	0.922-0.935	0.922-0.935
RI at 40 Deg C	---	1.4730-1.478	1.4730-1.478

### ADVANTAGES AND APPLICATIONS

- ❖ Produces high quality hard-wearing vehicles
- ❖ Light colored, non-yellowing films forming ability.
- ❖ Low viscosity and low free acidity.
- ❖ Fast drying and curing speed.
- ❖ Very high linoleic acid content and absence of linolenic acid.
- ❖ Upgrade primary binder systems.
- ❖ Excellent pigment wetting and color development
- ❖ Imparts excellent flow and leveling properties
- ❖ Lubricants
- ❖ Paint Industries
- ❖ Heavy duty automotive Greases.
- ❖ Fuel Additives.

### PACKAGING

Iso Tank, 200 kg Barrel, 950 kg IBC Tank