

# Blown Castor Oil (15-17 Poise)

## PRODUCT IN FOCUS



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### INTRODUCTION

Blown Castor Oil (15-17 Poise) is a modified grade of Castor oil. The “15-17 Poise” specification refers to its viscosity range, indicating a medium-viscosity blown oil suitable for industrial applications requiring improved body, tackiness, and elasticity compared to regular castor oil.

It offers:

- ✓ Higher viscosity and better consistency
- ✓ Improved adhesion and binding properties
- ✓ Enhanced film-forming capability
- ✓ Better compatibility with resins and waxes
- ✓ Good lubricity and plasticizing effect

It is widely used in coatings, inks, sealants, lubricants, and rubber processing.

### MANUFACTURE

It is produced by controlled oxidation of refined castor oil.

### APPLICATIONS

#### ☒ Paints & Coatings

- Binder modifier
- Improves gloss and flow
- Enhances film flexibility
- Used in alkyd and oil-based coatings

#### ☒ Printing Inks

- Provides body and tack
- Improves pigment dispersion
- Used in lithographic and offset inks

#### ☒ Adhesives & Sealants

- Plasticizer and viscosity modifier
- Enhances flexibility and adhesion

#### ☒ Rubber & Tyre Industry

- Processing aid
- Improves elasticity and dispersion of fillers

#### ☒ Lubricants & Greases

- Base oil component
- Used in specialty biodegradable lubricants

#### ☒ Polishes & Wax Formulations

- Improves shine and spreading ability

<b>Synonym(s)</b>	Polymerized castor oil, Oxidized triglyceride
<b>CAS no.</b>	68187-84-4
<b>EINECS no.</b>	269-128-4
<b>Molecular formula</b>	-
<b>Molecular weight</b>	-
<b>Structure</b>	-

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### SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Clear, yellowish viscous liquid
Color	Gardner	<= 5
Acid value	mg KOH/g	<= 6
Viscosity (20 °C)	dPas	15.0 – 18.7

### PACKING

200 kg MS drum, ISOTANK

### STORAGE

Keep in tightly sealed containers in a cool, dry, well-ventilated area, away from direct sunlight and strong oxidizers

### REACH status

Registered

ExSyn offers Blown castor oil on commercial scales and welcomes enquiries. Our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.