

Castor Oil Ethoxylate

Natural oil ethoxylate, 2.5–40 moles EO

Product Description

Castor Oil Ethoxylate is a natural-based emulsifier and solubilizer used in cosmetics, pharmaceuticals and agrochemicals. Available in 2.5 to 40 moles EO grades.

Certificate of Analysis

HSN Code: 3402.13

CAS Number: 61791-12-6

Classification: Non-ionic Surfactant

Parameter	Specification	Test Method
Appearance	Clear to pale yellow liquid	Visual
Active Content	"e 9 9 %	Gravimetric
HLB Value	3–13 (grade dependent)	Calculated
pH (1% solution)	5.5–7.5	USP <791>
Acid Value	"d 2 m g K O H / g	AOCS Cd 3d-63
Saponification Value	Grade dependent (mg KOH/g)	AOCS Cd 3-25
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: Clear to pale yellow liquid

Molecular Formula: Castor oil-(EO)[™] polymer

Molecular Weight: Grade dependent (MW: 700–3000 g/mol)

Solubility: Dispersible to soluble in water (grade dependent); soluble in oils

Melting Point: N/A (liquid at room temperature)

Packing: 200 kg HDPE drums; 50 kg carboys

Storage: Store in a cool, dry place. Temperature: 10–35°C.

Safety & Handling

PPE: Gloves, safety goggles, lab coat

Hazards:

- Mild skin and eye irritant
- Harmful to aquatic organisms