

Hydrogenated Castor Oil Ethoxylate

Natural oil ethoxylate, 15–60 moles EO

Product Description

Hydrogenated Castor Oil Ethoxylate (PEG-40 HCO) is a solubilizer and emulsifier widely used in pharmaceutical and cosmetic formulations. Available in 15 to 60 moles EO grades.

Certificate of Analysis

HSN Code: 3402.13 CAS Number: 61788-85-0 Classification: Non-ionic Surfactant

Parameter	Specification	Test Method
Appearance	White waxy solid to paste	Visual
Active Content	"e 9 9 %	Gravimetric
HLB Value	14–16	Calculated
pH (1% solution)	5.5–7.5	USP <791>
Melting Point	30–40°C	USP <741>
Acid Value	"d 1 m g K O H / g	AOCS Cd 3d-63
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White waxy solid to paste

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

Molecular Weight: Grade dependent (MW: 700–5000 g/mol)

Solubility: Dispersible in warm water; soluble in oils and organic solvents

Melting Point: 30–40°C

Packing: 25 kg cartons; 200 kg fibre drums

Storage: Store in a cool, dry place. Temperature: 10–25°C.

Safety & Handling

PPE: Gloves, safety goggles, lab coat

Hazards:

- Mild irritant
- Dust may cause respiratory irritation