

Octyl Phenol Ethoxylate

Alkyl phenol ethoxylate surfactant, 10–70 moles EO

Product Description

Octyl Phenol Ethoxylate is a non-ionic surfactant used in detergents, wetting agents, emulsifiers and industrial cleaning applications. Available in 10 to 70 moles EO grades.

Certificate of Analysis

HSN Code: 3402.13

CAS Number: 9002-93-1

Classification: Non-ionic Surfactant

Parameter	Specification	Test Method
Appearance	Clear to pale yellow liquid	Visual
HLB Value	12–18 (grade dependent)	Calculated
Active Content	≥ 99 %	Gravimetric
pH (1% solution)	6.0–8.0	USP <791>
Cloud Point	Grade dependent	IP 219
Viscosity	Grade dependent (mPas at 25°C)	Brookfield
Heavy Metals	≤ 20 ppm	USP <231>

Physical Properties

Appearance: Clear to pale yellow liquid

Molecular Formula: $C_8H_{17}(OCH_2CH_2)_nOH$

Molecular Weight: Grade dependent (MW: 426–1310 g/mol)

Solubility: Soluble in water (hydrophilic grades); soluble in alcohols, ketones

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

Packing: 200 kg HDPE drums; 50 kg carboys; bulk tankers available

Storage: Store in a cool, dry, well-ventilated area. Avoid direct sunlight. Temperature: 10–35°C.

Safety & Handling

PPE: Chemical-resistant gloves, safety goggles, lab coat

Hazards:

- Eye and skin irritant
- Harmful to aquatic organisms
- Do not ingest