

Lauryl Alcohol Ethoxylate

Fatty alcohol ethoxylate, 2–40 moles EO

Product Description

Lauryl Alcohol Ethoxylate is a non-ionic surfactant used in household and industrial detergents, cosmetics and personal care products. Available in 2 to 40 moles EO grades.

Certificate of Analysis

HSN Code: 3402.13 CAS Number: 9002-92-0 Classification: Non-ionic Surfactant

Parameter	Specification	Test Method
Appearance	White solid to clear liquid (grade dependent)	Visual
Active Content	"e 9 9 %	Gravimetric
HLB Value	3–18 (grade dependent)	Calculated
pH (1% solution)	5.5–7.5	USP <791>
Cloud Point	Grade dependent	IP 219
Viscosity	Grade dependent (mPas)	Brookfield
Moisture	"d 0 . 5 %	Karl Fischer
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White solid to clear liquid (grade dependent)

Molecular Formula: $C_{12}H_{25}O_{(n+1)}$

Molecular Weight: Grade dependent (MW: 362–802 g/mol)

Solubility: Soluble in water (HLB >10); soluble in organic solvents (low EO grades)

Melting Point: Grade dependent (25–40°C for solid grades)

Packing: 25 kg cartons (solid grades); 200 kg HDPE drums (liquid grades); bulk tankers

Storage: Store in a cool, dry place. Avoid freezing. Temperature: 10–30°C.

Safety & Handling

PPE: Gloves, safety goggles, lab coat

Hazards:

- Mild skin and eye irritant
- Environmental hazard to aquatic organisms