C12–14 Lauryl Alcohol
Linear Primary Fatty Alcohol

CAS No.: 112-53-8

DESCRIPTION

C12–14 Lauryl Alcohol is a high-purity linear primary fatty alcohol used as a versatile intermediate in surfactant production, ethoxylation, esterification, and other chemical transformations. It provides excellent reactivity, low odour, and consistent chain-length distribution across a wide range of industrial applications.

KEY FEATURES

- High assay and narrow carbon chain range.
- Low acid and saponification values for predictable downstream reactions.
- Suitable for ethoxylates, sulfates, esters, and specialty intermediates.
- Reliable performance in formulations requiring controlled hydrophobic balance.

APPLICATIONS

- Nonionic surfactants
- Anionic surfactants
- Industrial detergents
- Cleaners
- Wetting agents
- Emulsifiers
- Chemical intermediates
- Lubricants
- Textile chemicals
- Agricultural formulations
- Polymer additive systems
- Consistent surface-active characteristics

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance at 30°C	White solid / clear liquid
Color (Hazen)	≤ 10
Acid Value (mg KOH/g)	≤ 0.1
Saponification Value (mg KOH/g)	≤ 0.5
Iodine Value (g I_2/100 g)	≤ 0.3
Hydroxyl Value (mg KOH/g)	285–295
Hydrocarbon Alkyl (%)	≤ 1.0
Main Components (%)	≥ 98
C10 Alcohol (%)	0–0.1
C12 Alcohol (%)	65–77
C14 Alcohol (%)	21–35
C16 Alcohol (%)	0–1
Moisture (%)	≤ 0.1

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

25 kg bags, 200 kg drums, or 1000 kg IBCs

STORAGE

Store in a cool, well-ventilated environment away from heat and oxidising agents. Product may solidify at lower temperatures and can be gently warmed to liquefy. Use standard PPE and avoid prolonged contact with skin or eyes.

SAFETY & HANDLING

Refer to the SDS for detailed safety, handling, and regulatory information.