C18–16 Fatty Alcohol
Linear Primary Fatty Alcohol

CAS No.: 36653-82-4

DESCRIPTION

C18–16 Fatty Alcohol is a high-purity saturated primary alcohol blend dominated by stearyl (C18) content with a supporting fraction of cetyl (C16). It is widely used in surfactant synthesis, emulsifiers, wax systems, lubricants, and industrial formulations requiring higher melting point, strong structuring behaviour, and enhanced hydrophobicity.

KEY FEATURES

- Stearyl-rich composition with controlled C16 and C18 distribution.
- Low acid value and consistent saponification characteristics.
- Excellent thickening and structuring performance in emulsions and wax systems.
- Suitable for ethoxylation, esterification, quaternary ammonium salt production, and hydrophobic modification

APPLICATIONS

- Surfactants
- Emulsifiers
- Personal care bases
- Lubricants
- Agricultural formulations
- Textile auxiliaries
- Industrial additives
- Structuring agent
- Slip-modifying agent
- Plastics applications
- Coatings applications
- Wax blends
- Processing aids
- Provides long-chain fatty alcohol performance

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance at 30°C	White granular solid
Color (Hazen)	≤ 10
Acid Value (mg KOH/g)	≤ 0.1
Saponification Value (mg KOH/g)	≤ 1.0
Iodine Value (g I_2/100 g)	≤ 0.5
Hydroxyl Value (mg KOH/g)	210–220
Hydrocarbon Alkyl (%)	≤ 1.0
Main Components (%)	≥ 96
C12 Alcohol (%)	0–0.1
C14 Alcohol (%)	0–1
C16 Alcohol (%)	20–32
C18 Alcohol (%)	68–78
C20 Alcohol (%)	0–1
Other Alcohols (%)	≤ 2
Melting Point (°C)	50–55

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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, dry, well-ventilated area. This product is a waxy solid at ambient temperature and may require gentle heating for melting or transfer. Avoid contact with oxidising agents. Use standard industrial PPE.

SAFETY & HANDLING

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