C16–18 Fatty Alcohol
Linear Primary Fatty Alcohol

CAS No.: 36653-82-4

DESCRIPTION

C16–18 Fatty Alcohol is a high-purity linear saturated primary alcohol blend, typically dominated by cetyl and stearyl chains. It is widely used in surfactant manufacturing, emulsifiers, rheology modifiers, lubricants, oleochemicals, and polymer additive systems requiring longer hydrophobic chains and enhanced melt structure.

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

- Surfactant intermediates
- Personal care and cosmetic bases
- Lubricants
- Emulsifiers
- Textile auxiliaries
- Agricultural formulations
- Industrial additives
- Structuring agent
- Slip additive
- Hydrophobic modifier in plastics
- Hydrophobic modifier in coatings
- Hydrophobic modifier in processing formulations
- Improves melt viscosity
- Enhances formulation stability

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance at 30°C	White 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)	218–228
Hydrocarbon Alkyl (%)	≤ 1.0
Main Components (%)	≥ 98
C12 Alcohol (%)	0–0.1
C14 Alcohol (%)	0–1
C16 Alcohol (%)	68–78
C18 Alcohol (%)	20–32
C20 Alcohol (%)	0–1
Other Alcohols (%)	≤ 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, dry, well-ventilated area. Product is a wax-like solid at ambient temperatures and may require gentle heating for transfer or melting. Avoid contact with oxidising materials. Use standard industrial PPE when handling

SAFETY & HANDLING

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