

Technical Data Sheet

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Item Name:

C16

PRODUCT INFORMATION

Chinese Name:	十六醇
Commodity Name:	Fatty Alcohol C16
Chemical Name:	Hexadecanol
Other Name:	1-Hexadecanol, Aliphatic Alcohol C16, Palmityl Alcohol, Natural Fatty Alcohol
CAS No.:	36653-82-4
Molecular Weight:	242.44
Molecular Formula:	C ₁₆ H ₃₄ O

PRODUCT DESCRIPTION

Cannot soluble in water, can be used with ether, benzene, chloroform, acetone miscibility, slightly soluble in alcohol.

TECHNICAL SPECIFICATION

Index	High Grade	1st Grade	Tech Grade
Appearance	White crystalline (30°C)		
Melting temperature by °C	46 - 52	46 - 52	46 - 52
Color Hazen	<10	<15	<30
The acid value by mgKOH/g	<0.1	<0.2	<0.3
Saponification value by mgKOH/g	<0.5	<0.8	<1.0
The iodine value by gI ₂ /100g	<0.5	<1.0	<1.5
The hydroxyl value by mgKOH/g	220 - 240	220 - 240	220 - 240
Alkane content by wt % (mass fraction)	<0.5	<1.0	<1.5
Moisture by wt % (mass fraction)	≤0.15	≤0.15	≤0.15
Carbonyl value by ppm	<300	<500	<1000
Principal component content by wt % (mass fraction)	>98	>97	>96

Note: Alkane content includes paraffin and other alcohol impurity. Main components content refers to the carbon primary alcohol content that marked in the type and name. (A single component or the sum of two components)

MAIN APPLICATION

Mainly used for spices synthesis, pharmaceutical, daily chemical, surfactant, and cosmetic industries, and can be used as a gas chromatographic stationary liquid; A large number of used in the production of fatty alcohol polvoxyethylene ether, antioxidant agent, etc, which used for foaming agent, toothpaste, shampoo, meal lotion, and for the preparation of hexadecyl sulfonate; Dyeing auxiliaries, dressing with flotation agent.

PACKING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.