Technical Data Sheet

Item Name:

C18

PRODUCT INFORMATION

Chinese Name:	十八醇 / 硬脂醇
Commodity Name:	Fatty Alcohol C18
Chemical Name:	Octadecanol
Other Name:	1-Octadecanol, Aliphatic Alcohol C18, Natural Fatty Alcohol
CAS No.:	112-92-5
Molecular Weight:	270.49
Molecular Formula:	$C_{18}H_{38}O$

PRODUCT DESCRIPTION

White flake crystallization or particles, insoluble in water soluble in alcohol and ether, benzene and acetone.

TECHNICAL SPECIFICATION

Index	High Grade	1st Grade	Tech Grade
Appearance		White crystalline (30°C)	
Melting temperature by °C	55 - 61	55 - 61	55 - 61
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	200 - 220	200 - 220	200 - 220
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

Used for surface active agent, cosmetics, detergents, spice production.

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.