

# Technical Data Sheet

Version: 1.0  
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

# C1816

## PRODUCT INFORMATION

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Chinese Name:      | 十八十六醇                                                              |
| Commodity Name:    | Fatty Alcohol C18-16                                               |
| Chemical Name:     | Hexadecanol & Octadecanol                                          |
| Other Name:        | Aliphatic Alcohol C18-16, Cetostearyl Alcohol, C18-16-Alkylalcohol |
| CAS No.:           | 67762-27-0                                                         |
| Molecular Weight:  | 512.941                                                            |
| Molecular Formula: | $C_{18}H_{38}O.C_{16}H_{34}O$                                      |

## PRODUCT DESCRIPTION

It's white or pale yellow solid at normal temperature. It has slight smell. It's insoluble in water but soluble in ethanol and ether and other organic solvent. It also has the common gender of natural alcohol.

## TECHNICAL SPECIFICATION

| Index                                               | High Grade               | 1st Grade   | Tech Grade  |
|-----------------------------------------------------|--------------------------|-------------|-------------|
| Appearance                                          | White crystalline (30°C) |             |             |
| Melting temperature by °C                           | $C_{18-16}/70$ : 52-58   |             |             |
| Color Hazen                                         | <10                      | <15         | <20         |
| 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                       | 210-220                  |             |             |
| Alkane content by wt % (mass fraction)              | <0.5                     | <1.0        | <1.5        |
| Moisture by wt % (mass fraction)                    | $\leq 0.15$              | $\leq 0.15$ | $\leq 0.15$ |
| Carbonyl value by ppm                               | <300                     | <500        | <1000       |
| Principal component content by wt % (mass fraction) | $\geq 99$                | $\geq 98.5$ | $\geq 98$   |
| Carbon chain distribution by wt % (mass fraction)   | 70: 30                   |             |             |

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

It's used as the raw material of surfactant, detergent, cosmetics, wetting agent, pharmaceuticals, antifoaming agents and rubber ingredients so on. It's also used as auxiliary raw material of textile and leather industry additives.

## 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.