



## TECHNICAL DATA SHEET: ALCOHOL CETYLIC FLAKES

**Formula:**  $C_{16}H_{35}OH$

**CAS:** 36653-82-4

**EINECS:** 253-149-0

### SPECIFICATION

Homolog distribution (wt%)	
C14 & lower	2 max
C16	98 min
C18 & higher	2 max
Hydrocarbons	0.5 max
Acid Value (mg KOH/g)	0.1 max
Saponification Value (mg KOH/g)	0.5 max
Iodine Value (g I <sub>2</sub> /100 g)	0.1 max
Hydroxyl Value (mg KOH/g)	228 - 232
Moisture (wt%)	0.1 max <sup>1)</sup>
Color (APHA)	10 max

<sup>1)</sup> Bulk only, 0.3 max for flakes and pastilles

### PHYSICAL PROPERTIES

Form	Fuse, solid flakes, pastilles
Color	Colorless, white if solidified
Odor	Specific type
Solidification Point (°C)	48 - 50
Melting Point (°C)	47 - 51
Boiling Point (°C)	330 - 333
Flash Point (°C)	ca. 149
Vapor Pressure at 123 °C (hPa)	ca. 1.3
Density at 55°C (g/cm <sup>3</sup> )	ca. 0.81
Viscosity at 55 °C (mPa.s)	ca. 12
Solubility in water	Insoluble

### RECOMMENDED STORAGE & HANDLING CONDITIONS

- Maximum storage temperature: 40 °C(flakes/pastilles)  
65 °C(fused product)
- Suitable storage materials: steel, epoxy-coated, zinc-coated, stainless steel
- Voyage temperature: 55 - 65 °C
- Discharge/pumping temperature: 60 - 65 °C
- Maximum heating rate per day: 3 °C
- Nitrogen blanketing: yes (max O<sub>2</sub> content: 5%)

### APPLICATIONS

- Raw material for esterification reaction, for instance for production of wax esters.
- Used for cosmetics and pharmaceutical applications.

### GENERAL INFORMATION

- All of Ecogreen's fatty alcohols products are manufactured from GMO free natural vegetable oils (CPKO or CNO) with Halal and Kosher Certification
- Our products meet the current Ph. Eur., BP, and/or USP/NF
- No allergens potential materials are present
- No preservatives or additives are present
- No residual solvents (Organic Volatile Impurities) are present
- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) are not concern with this product

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