

TECHNICAL DATA SHEET: ALCOHOL CETYLIC FLAKES

Formula: C₁₆H₃₅OH

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 ₂ /100 g)	0.1 max
Hydroxyl Value (mg KOH/g)	228 - 232
Moisture (wt%)	0.1 max ¹⁾
Color (APHA)	10 max

¹⁾ 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 ³)	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 O₂ 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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