



sasol

Cetearyl Alcohols

for Cosmetics

Sasol Performance Chemicals



Cetearyl Alcohols for Cosmetics

Description

Sasol Germany GmbH manufactures linear, even-numbered, saturated alcohols from petrochemical and oleochemical feedstocks in different, fully independent processes.

The alcohol blends are marketed under the trademark NAFOL.

Cetearyl Alcohols can be used as structurants in the oily phase of cosmetic formulations or as low-HLB crystalline surfactants in Lamellar Gel Network (LGN) based formulations.

Features

- Co-emulsifier
- Viscosity controlling agent
- Emulsion stabilizer
- Feedstock for esters, amines and surfactants

Applications

Cetearyl Alcohols can be used neat or as derivatives in a wide range of cosmetic formulations for instance

- Hair Care
- Skin Care
- Sun Care
- Colour Cosmetics
- Antiperspirants and Deodorants



Physical Properties

Typical physical properties are listed in the tables below. Actual properties will vary from lot to lot.

Typical properties		NAFOL 1618	NAFOL 1618 H	NAFOL 1618 S
INCI name		Cetearyl Alcohol		
CAS no.		36653-82-4, 112-92-5		
Feedstock		ethylene	oleochemical	
Appearance @20 °C		colourless, solid		
Molecular weight	[g/mol]	248 to 260	253 to 262	257 to 267
Homolog distribution	wt %			
C12 OH		0.2 max.	0.2 max.	0.4 max.
C14 OH		2.0 max.	2.0 max.	2.4 max.
C16 OH		59 to 67	45 to 52	23 to 31
C18 OH		29 to 37	45 to 52	65 to 75
C20 OH		3.0 max.	3.0 max.	2.0 max.
C22 OH		0.2 max	0.2 max.	0.2 max.
Water content	wt %	0.1 max.	0.1 max.	0.1 max.
Colour	Hazen	10 max.	10 max.	10 max.
Hydroxyl number	mg KOH/g	216 to 226	214 to 220	210 to 216
Acid number	mg KOH/g	0.05 max.	0.05 max.	0.05 max.
Ester number	mg KOH/g	0.8 max.	0.3 max.	0.3 max.
Iodine number	mg I/100mg	0.4 max.	0.4 max.	0.4 max.
Solidification point	°C	46 to 49	47 to 51	50 to 54

Packaging:

Available in pellet form and packaged in polyethylene bags with welded filler tube; 20 kg/bag

Storage:

Protect from moisture and sunlight; keep between 5 and 30 °C

Shelf life:

48 months from the date of manufacture, when properly stored and handled

Certificates (Sasol Germany GmbH):

ISO 14001; ISO 9001; OHSAS 18001, EMAS; Kosher Certificate



NAFOL 1618 H and **NAFOL 1618 S** are compliant with **ECOCERT/COSMOS** and can be used in cosmetic formulations certified according to these standards.

Sasol is a producer of ingredients for cosmetics and personal care products. Our global manufacturing network along with highly skilled marketing, research and development teams are dedicated to helping you achieve your performance and formulation requirements. Take advantage of Sasol's experience in product development.

At Your Service



SASOL

Sasol Performance Chemicals

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