



NEODOL 135

LINEAR PRIMARY ALCOHOL

V2483

DERIVATIVES

DATASHEET

Description

NEODOL 135 is a blend of C11, C13, and C15 high purity primary alcohols manufactured using the Shell Hydroformylation (SHF) process. It can be used in a variety of applications but it is primarily used for the manufacture of alcohol sulfates, alcohol ethoxylates and alcohol ethoxysulfates. The sulfates of NEODOL 135 are highly suited for use in household laundry detergents.

Specification Properties^a

Property	Unit	Value
Normality	%m/m	75 min
Hydroxyl number	mg KOH/g	267-276
Molecular mass	g/mol	203-210
Color	Pt-Co (APHA)	10 max
Carbonyl as C=O	mg/kg	80 max
Acid number	eq/100g	0.0005 max
Water	%m/m	0.1 max
Appearance	Visual	CSFVI ^b

a : An official sales specification is available from your local Shell Chemicals representative

b: Clear and Substantially Free from Visible Impurities

Typical Properties

Property	Unit	Value
C10 and lower alcohols	%m/m	<0.5
C11 alcohol	%m/m	12
C12 alcohol	%m/m	1.5
C13 alcohol	%m/m	42
C14 alcohol	%m/m	1.5
C15 alcohol	%m/m	42
C16 and higher alcohols	%m/m	<0.5
Total hydrocarbons, max.	%m/m	0.5 max
Density @ 40°C	kg/l	0.8218
Flash Point	°C	143
	°F	289
Pour Point	°C	24
	°F	75
Viscosity, Kinematic @ 40°C	CST or mm ² /s	15

Storage and handling

Advice on the storage and handling of NEODOL linear alcohols can be found on our web site at www.shellchemicals.com or by contacting your local Shell Chemicals representative.

Hazard identification

NEODOL alcohols exhibit low oral, skin and respiratory toxicity. Generally, these alcohols are slightly to moderately irritating to the eyes and skin. Prolonged or repeated skin contact with undiluted alcohols may lead to defatting of the skin and ultimately cause dermatitis. Before handling the product refer to the Safety Data Sheet, which is available online or from your local Shell Chemicals representative.

Product Code: V2483

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