



NEODOL 23-2

PRIMARY ALCOHOL ETHOXYLATE

V2597

DERIVATIVES

DATASHEET

Description

NEODOL 23-2 is based on Shell Chemicals' high purity C12-C13 NEODOL alcohol with an average of approximately 2 moles of ethylene oxide per mole of alcohol.

Specification Properties^a

Property	Unit	Value
Hydroxyl number	mg KOH/g	194-204
Molecular mass	g/mol	275-289
Color	Pt-Co	30 max
Water	%m/m	0.1 max
Ash	%m/m	0.2 max
Polyethylene glycol	%m/m	1.0 max
Appearance	Visual	LCSH ^b
Acid number	mg KOH/g	0.05-0.20
EO/Alcohol ratio	mol/mol	1.8-2.2

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

b: Liquid, clear to slightly hazy

Typical Properties

Property	Unit	Value
Density @ 40°C	kg/l	0.891
Cloud Point, titrated	ml H ₂ O	23
Flash Point	°C	152
	°F	306
Pour Point	°C	0
	°F	32
HLB number		6.5
Viscosity, Kinematic @ 40°C	cSt or mm ² /s	14

Storage and handling

Advice on the storage and handling of NEODOL alcohol ethoxylates can be found on our web site at www.shell.com/chemicals or by contacting your local Shell Chemicals representative.

Hazard identification

NEODOL alcohol ethoxylates are eye irritants. While these products show only slight to moderate skin irritancy, prolonged and repeated contact can dry and de-fat the skin resulting in dermatitis. NEODOL alcohol ethoxylates show low to moderate oral, skin and respiratory toxicity. Before handling the product refer to the Safety Data Sheet, which is available online or from your local Shell Chemicals representative.

Product Code: V2597

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