

Technical Information

NEODOL® Alcohols

Description

Neodol® Alcohols are high purity linear primary alcohols manufactured using the Shell® Hydroformylation process.

Applications

- Industrial and Institutional cleaning
- Metal working fluids
- Chemical intermediates

Typical properties

	Neodol® 91	Neodol® 1	Neodol® 23	Neodol® 25	Neodol® 45
Hydroxyl number, mg KOH/g	350	325	289	271	254
Average molecular weight	160	172	194	206	221
Carbon Chain	C9/C10/C11	C11	C12/C13	C12/C13/C14/C15	C14/C15
Viscosity (cSt at 40°C)	9	11	13	14	18
Density (g/ml at 25°C)	0.827	0.828	0.831	0.832	0.833
Pour Point (°C)	-12	11	15	20	29
Flash Point (°C)	108	121	135	149	157
APHA color, max	10	10	10	10	10
Water, max (wt%)	0.1	0.1	0.1	0.1	0.1
C8 and lower alcohols (%m/m)	<1	--	--	--	--
C9 alcohol (%m/m)	18	--	--	--	--
C10 alcohol (%m/m)	42	0.5	--	--	--
C11 and lower alcohols (%m/m)	38	98.5	<1	<1	--
C12 and higher alcohols (%m/m)	1	1	41	21	--
C13 and lower alcohols (%m/m)	--	--	58	29	1
C14 and higher alcohols (%m/m)	--	--	<1	25	50
C15 alcohol (%m/m)	--	--	--	25	50
C16 and higher alcohols (%m/m)	--	--	--	<1	<1

Neodol® is a registered trademark of the Shell Group.

These are typical properties only and do not represent sales or manufacturing specifications.

Storage and Handling

Please refer to Material Safety Data Sheet.

Shelf-Life

Please refer to Material Safety Data Sheet.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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