

SHELL NEODOL ALCOHOL ETHOXYLATES

DIFFERENTIATED PERFORMANCE

Shell NEODOL alcohol ethoxylate properties

Shell NEODOL	91-5	91-6	91-8	23-2	25-3	25-7	45-7	135-1*	135-3*	135-7*
EO groups/alcohol	5.0	6.0	8.0	2.0	2.9	7.0	7.4	1.0	2.9	7.0
Active content, %w	100	100	100	100	100	100	100	100	100	100
HLB number	11.6	12.5	13.7	6.5	7.5	12.2	11.8	3.5	7.5	12.2
Molecular weight, g/mol	380	425	511	282	332	515	546	250	332	515
Hydroxyl number, mg KOH/g	148	132	110	199	169	109	103	224	169	109
Flash point via PMCC, °C	150	150	160	152	163	186	190	146	161	184
Pour point, °C	4	6	16	0	5	20	24	13	5	18
Viscosity at 40°C, cSt	18	21	27	14	17	32	35	12	17	30
Cloud point, °C	32	54	81			50	46			50
Cloud Point, ml H ₂ O titrated				23	33			10	32	
Water, %w	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane, mg/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Density at 40°C, kg/l	0.964	0.976	0.996	0.891	0.908	0.972	0.969	0.859	0.911	0.966

*Shell NEODOL alcohol ethoxylates 135-1, 135-3 and 135-7 are new grades for test marketing

The N135 alcohol (with C11, 13 and 15 alcohols) is designed to have the same average molecular mass and carbon number as N25 (with C12, 13, 14 and 15 alcohols). This means that the N135 alcohol and the resulting ethoxylates have similar properties to the analogous N25 grades.



To find out more about our products,
visit www.shell.com/neodol

The term 'Shell Chemicals' collectively refers to individual Shell Group companies engaged in the chemicals business throughout the world. These are separate and distinct entities. The collective expressions 'Shell' and 'Shell Chemicals' herein may be used for convenience where reference is made in general to those companies or where no useful purpose is served by identifying any particular company or companies.

The companies in which Royal Dutch Shell plc directly and indirectly owns investments are separate entities. The terms "Shell", "Shell group" and "Royal Dutch Shell" are sometimes used for convenience where references are made to Royal Dutch Shell plc and its subsidiaries in general. Likewise, the words "we", "us" and "our" are also used to refer to subsidiaries in general or to those who work for them. These expressions are also used where no useful purpose is served by identifying the particular company or companies.

The information contained in this publication is to the best of our knowledge true and accurate, but any recommendations or suggestions that may be made are without guarantee since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

All products purchased from or supplied by Shell Chemicals are subject to terms and conditions set out in the relevant contract, order acknowledgement and/or bill of lading. All information, including that herein, supplied by Shell Chemicals is furnished upon the express condition that the customer shall make its own assessment to determine the product's suitability for a particular purpose. Shell Chemicals makes no warranties, either express or implied, that any products shall be merchantable or fit for any particular application or purpose.

The copyright of this document is vested in Shell Chemical LP. All rights reserved. Neither the whole nor any part of this document may be reproduced, stored in any retrieval system or transmitted in any form or by any means without the prior written consent of the owner.