RHODASURF® ON-877

PRODUCT DATA SHEET N000281 – JULY 2011

IDENTIFICATION

Chemical Name: ETHOXYLATED OLEYL ALCOHOL

CAS Number: 68526-94-3

SPECIFICATIONS	RESULTS	METHOD
Color Gardner	4 Max	RP-0138
Appearance @ 25 Deg C	Pourable, Viscous Liquid	RP-0064
Moisture (CEM, 60% Power), %	29.0 – 31.0	RP-0528
Neutralization No. (PH 7), MG KOH/G	0.50 Max	RP-0343
Cloud Point (1.3% in 10% Saline), Deg C	63.0 – 69.0	RP-0119

TYPICAL PROPERTIES

Oven Solids, %	70
Specific Gravity @ 25°C	1.0
Density, lbs/gallon	8.8
pH, (10% solution)	6.0 – 8.0
Gelation Temperature, °C	< 4
HLB	15.4
Critical Micelle Conc, WT.%	0.015
Surface Tension @ CMC, dynes/cm	37.0
Physical Form	Liquid
Ionic Charge	Nonionic
Moles of Ethylene Oxide	20

STANDARD APPLICATIONS

RHODASURF® ON-877 is an excellent primary nonionic surfactant, recommended especially for the emulsion polymerization of acrylic, vinyl acrylic, and styrene-acrylic polymers. Such polymers find application in latex paints, adhesives, paper coatings and textile applications. Rhodasurf ON-877 is one of a series of Rhodia nonionic surfactants with different HLBs.

Since differences in HLB affect emulsification and stabilization properties, the Rhodasurf series allows the user to select the surfactant that will provide effective particle size control, low levels of coagulum, latex stability and trouble-free commercial production.

STANDARD PACKAGING

RHODASURF® ON-877 is available in Bulk Quantities, 450 LB. Open Head Poly Drums, and 2200 LB. Totes. Alternative package sizes may be available upon request.

For orders or questions, call us at the following numbers or visit us at www.rhodia-novecare.com

North America	Europe – Middle East – Africa	Asia - Pacific	Latin America
1-888-776-7337	(33) 01 53 56 50 00	(65) 62 91 19 21	(55) 11 37 47 78 86

SHELF LIFE

RHODASURF® ON-877 has a shelf life of 730 days.

RECOMMENDATION & PERFORMANCE DATA

General Description

RHODASURF® ON-877 is a cost effective, APE free surfactant used as a primary nonionic emulsifier in the emulsion polymerization of most monomer systems. It is a 70% aqueous solution of a 20 mole ethoxylate of oleyl alcohol.

FEATURES

- APE-free
- Inherently biodegradable
- Low VOC content
- Low foam
- No organic solvents
- Outstanding polymer stability
- Low levels of coagulum
- Cost-effective

STORAGE AND HANDLING

RHODASURF® ON-877 should be stored in tightly closed containers. The storage area should be dry, well ventilated and away from incompatible materials such as strong oxidizing agents and reducing agents. Breathing of vapors and direct or prolonged contact with skin and eyes should be avoided. In cold weather, RHODASURF® ON-877 may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before use. Drums should be vented while heating and localized overheating should be avoided.

REGULATORY STATUS

FDA Listing Status

The component(s) of RHODASURF® ON-877 are listed as suitable for use as indirect food additives under the following sections of Title 21 of the Code of Federal Regulations:

- 175.105 Adhesives: No limitations
- 176.180 Paper and paperboard in contact with dry food: No limitations
- 176.200 Defoaming agent for use in paper coatings: No limitations

WARNING
The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products. RHODIA GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.
This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of the present document and RHODIA is at their disposal to supply any additional information.

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