

RHODASURF[®] L-7/90

PRODUCT DATA SHEET N000280 – JUNE 2013

IDENTIFICATION

Chemical Name: NONIONIC EMULSIFIER

SPECIFICATIONS

Acid Number, MG KOH/G
Hydroxyl Number, MG KOH/G
(On Anhydrous Basis)
pH (10% Solution)
Solids (Karl Fisher), %
Color APHA
Appearance @ 30 Deg C
Cloud Point (10% Solution), Deg C

RESULTS

1.0 Max.
105.0 – 120.0
5.5 – 7.0
89.0 – 92.0
125 Max.
Clear Liquid
53.0 – 63.0

METHOD

RP-0008
RP-0245
RP-0420
RP-0327
RP-0134
RP-0064
RP-0124

TYPICAL PROPERTIES

Oven Solids, % 90
Water, % 10
Viscosity, cps @ 25 Deg C < 250
Specific Gravity @ 25 Deg C 1.0
Density, lbs/gallon 8.8
Gelation Temperature, Deg C 2.0
HLB 12.1
Critical Micelle Conc., WT % 0.0025
Moles of Ethylene Oxide 7
Ionic Charge Nonionic
Physical Form Liquid

STANDARD APPLICATIONS

RHODASURF[®] L-7/90 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[®] L-7/90 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[®] L-7/90 is available in Bulk Quantities, and 435 LB. Closed Head Poly Drums. Alternative package sizes may be available upon request.

SHELF LIFE

RHODASURF[®] L-7/90 has a shelf life of 365 days.



For orders or questions, call us at the following numbers or visit us at www.solvay.com

North America
1-888-776-7337

Europe – Middle East – Africa
(33) 01 53 56 50 00

Asia - Pacific
(65) 62 91 19 21

Latin America
(55) 11 37 47 78 86

RECOMMENDATION & PERFORMANCE DATA

General Description

RHODASURF[®] L-7/90 is a cost-effective, APE free surfactant used as a primary nonionic emulsifier in the emulsion polymerization of most monomer systems. It is a 90% aqueous solution of a 7 mole ethoxylate of lauryl alcohol. RHODASURF[®] L-7/90 is most often used in combination with other anionic and nonionic surfactants to achieve a balance of properties in the finished latex.

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[®] L-7/90 should be stored in tightly closed containers between temperatures of 15°C (59°F) and 49°C (120°F). 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[®] L-7/90 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[®] L-7/90 are not listed as suitable for use as indirect food additives under Title 21 of the Code of Federal Regulations.

International Inventory Status

- United States (TSCA) – Listed
- Canada (DSL) – Listed
- Europe (EINECS) – Listed
- Australia (AICS) – Listed
- South Korea (KECL) – Listed
- Japan (MITI) - Listed

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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