

IGEPAL[®] CA-897

PRODUCT DATA SHEET N000299 – SEPTEMBER 2010

IDENTIFICATION

Chemical Name: ETHOXYLATED OCTYLPHENOL, BRANCHED (40)

CAS Number: 9002-93-1; 7732-18-5

SPECIFICATIONS

Appearance @ 35 Deg C
Color APHA
Solids (CEM, 60% Power), %
Neutralization No. (pH 7), G KOH/G
Hydroxyl Number (Before Water)

RESULTS

Clear Liquid
100 Max
70.0 – 73.0
0.50 Max
28.0 – 32.0

METHOD

RP-0064
RP-0134
RP-0528
RP-0343
RP-0245

TYPICAL PROPERTIES

PEG Content, % <3.5
Specific Gravity @ 25°C 1.1
Density, lbs/gallon 9.15
pH, (10% Solution) 6.0 – 8.0
HLB 18.0
Critical Micelle Concentration, WT. % 0.04
Surface Tension @ CMC, dynes/cm 44
Moles of Ethylene Oxide 40
Ionic Charge Nonionic
Physical Form Liquid
Solids Content (%) 70

STANDARD APPLICATIONS

IGEPAL[®] CA-897 is an excellent primary nonionic surfactant, recommended especially for the emulsion polymerization of acrylic, vinyl acrylic, styrene butadiene and styrene acrylic polymers. Such polymers find application in latex paints, adhesives, paper coatings and textile applications. IGEPAL[®] CA-897 is one of a series of Rhodia ethoxylated alkylphenol nonionic surfactants with different HLBs. Since differences in HLB affect emulsification and stabilization properties, the IGEPAL 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

IGEPAL[®] CA-897 is available in Bulk Quantities, and 460 lb. Closed Head Steel Drums. Alternative package sizes may be available upon request.

SHELF LIFE

IGEPAL[®] CA-897 has a shelf life of 730 days.

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.

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