

EMULSIFIER FOR EMULSION POLYMERIZATION

NON-IONIC

VINOL RE 950 - Alkyl phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance @ 25°C	Visual	Colourless to pale yellow liquid	VCL/QC/WI/01
pH (2% aq)	-	6.0 - 8.0	VCL/QC/WI/06
Cloud point (1% aq)	°C	56 -60	VCL/QC/WI/21
Moisture content	%	0.50 max	VCL/QC/WI/07
Solubility	%	Soluble in water and alcohol	VCL/QC/WI/05

APPLICATIONS : Nonionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates/acrylates.

VINOL RE X-100 - Octyl phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance @ 25°C	Visual	Colorless liquid	VCL/QC/WI/01
Clarity	Visual	Clear	VCL/QC/WI/01
pH	-	6 – 8	VCL/QC/WI/06
Specific gravity (5% aqueous)	-	1.03 – 1.07	VCL/QC/WI/03
Refractive Index @ 25°C	-	1.485 – 1.495	VCL/QC/WI/04
% @ 120°C / 1 hr		99% Min	VCL/QC/WI/20
Viscosity @ 30°C, B-4 Ford Cup 100 %	Seconds	65 – 85	VCL/QC/WI/10

APPLICATIONS : Nonionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates/acrylates.

VINOL RE MF-400 - Alkyl Phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear colourless to pale yellow liquid	VCL/QC/WI/01
Color	Hazen	100 max	VCL/QC/WI/01
pH (10% aq.)	-	5.0 - 7.0	VCL/QC/WI/06
Cloud point (1 % in 10% NaCl)	°C	72-77	VCL/QC/WI/21
Water content	%	29 – 31	VCL/QC/WI/07

APPLICATIONS : Nonionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates/acrylates.



VINOL REX-405 - Octyl Phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear colourless to pale yellow liquid.	VCL/QC/WI/01
Color	Hazen / APHA	100 max	VCL/QC/WI/01
pH (10% aq.)	--	5.0 – 7.0	VCL/QC/WI/06
Cloud point (1 % in 10% NaCl)	°C	72 – 77	VCL/QC/WI/21
Water content	%	29 – 31	VCL/QC/WI/07

APPLICATIONS : Nonionic emulsifier as wetting agent for stable latexes to produce homopolymers and copolymers of vinyl acetates.

VINOL REMF-250 AD - Alkyl Phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear colourless to pale yellow liquid.	VCL/QC/WI/01
Color	Hazen / APHA	100 max	VCL/QC/WI/01
pH (10% aq.)	--	5.0 – 7.0	VCL/QC/WI/06
Cloud point (1 % in 10% NaCl)	°C	72 – 77	VCL/QC/WI/21
Water content	%	29 – 31	VCL/QC/WI/07

APPLICATIONS : Anionic emulsifier as wetting agent for stable latexes to produce homopolymers and copolymers of vinyl acetates.

VINOL RE 900 - Alkyl phenol, ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance @ 25 °C	Visual	Colorless to pale yellow liquid	VCL/QC/WI/01
pH (2% aq)	--	6.0 – 8.0	VCL/QC/WI/06
Cloud point (1%aq)	°C	52 – 54	VCL/QC/WI/21
Moisture content	%	0.50 max	VCL/QC/WI/07
Solubility	%	Soluble in water and alcohol	VCL/QC/WI/05

APPLICATIONS : Nonionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates/acrylates

VICATEX 1340 AD - Isotridecyl alcohol ethoxylated

Parameter	Unit	Specifications	Test Method
Appearance @ 25°C	Visual	Clear to slight hazy liquid becomes clear @ 35°C	VCL/QC/WI/01
Color	APHA	100 max	VCL/QC/WI/01
pH (10% aq.)	–	5.00 – 7.00	VCL/QC/WI/06
Water content (110°C/ 3 hrs) % (Cross flow air assisted oven)		29 – 31	VCL/QC/WI/07
Cloud point, (1% in 10% NaCl)	°C	72 – 77	VCL/QC/WI/12
Hydroxyl value, (on dry basis)	mg KOH/g	27.5 – 33.5	VCL/QC/WI/16

APPLICATIONS : Nonionic emulsifier as wetting agent for stable latexes to produce homopolymers and copolymers of vinyl acetates.

VICATEX 1390 - Polyoxyethylene tridecyl ether

Parameter	Unit	Specifications	Test Method
Appearance @ 25°C	Visual	Clear / Hazy liquid	VCL/QC/WI/01
Appearance	Visual	Clear liquid above 35°C Turbid liquid below 35°C	VCL/QC/WI/01
Color @ 40°C	Hazen/APHA	60 max	VCL/QC/WI/01
pH (10% Aqueous)	–	5.0 – 7.0	VCL/QC/WI/06
Cloud point , (5g in 25g BDG 25% Solution)	°C	77 – 82	VCL/QC/WI/21
Water content, K.F	%	0.50 max	VCL/QC/WI/07
Solidification Point,	°C	~ 10.0	VCL/QC/WI/08
Specific Gravity, 25°C	g/cm3	Approx 0.99	VCL/QC/WI/03
Viscosity, @ 40°C	Cps	Approx 44	VCL/QC/WI/12
HLB value	–	Approx 13.0	To be reported

APPLICATIONS : Nonionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates/acrylates



EMULSIFIER FOR EMULSION POLYMERIZATION

ANIONIC

VICAEST STD-3020

Tridecyl alcohol ethoxylated, sulphated, sodium salt

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear Liquid	VCL/QC/WI/01
Color	Visual	Pale yellow to yellow	VCL/QC/WI/01
pH (10% aq)	-	7.00 – 8.50	VCL/QC/WI/06
Active content	%	25 – 28	VCL/QC/WI/23
Solubility in water	-	Soluble	VCL/QC/WI/05
Sodium sulphate	%	1.0 max	VCL/QC/WI/18

APPLICATIONS : Wetting agent, grinding agent in paints industry.

VICAEST SLA 3512

Fatty alcohol ethoxylated, sulphated, sodium salt

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear Liquid	VCL/QC/WI/01
Color	Visual	Colorless to pale yellow	VCL/QC/WI/01
pH (10% aq)	–	7.00 – 8.50	VCL/QC/WI/06
Active content,	%	29 – 31	VCL/QC/WI/23
Solubility in water	–	Soluble	VCL/QC/WI/05
Sodium sulphate	%	1.0 max	

APPLICATIONS : Anionic emulsifier for stable latexes

VICAEST STD 3525

Synthetic alcohol ethoxylated, sulphated, sodium salt

Parameter	Unit	Specifications	Test Method
Appearance	Visual	Clear Liquid	VCL/QC/WI/01
Color	Visual	Colorless to pale yellow	VCL/QC/WI/01
pH (10% aq)	-	7.00 – 8.50	VCL/QC/WI/06
Active content, (Anionic)	%	32 – 36	VCL/QC/WI/23
Sodium sulphate	%	1.0 max	
Sodium Chloride	%	1.0 max	

APPLICATIONS : Anionic emulsifier for stable latexes to produce homopolymers and copolymers of vinyl acetates. Wetting agent, grinding agent in paints industry

COUPLING AGENT FOR PAINT MANUFACTURING

ANIONIC

VICAEST - H66

Polyether Ester

Specifications

Appearance : Clear pale yellow liquid

pH (5% aq) : 8 – 10

Active content, (%) : 49 – 51

Diluent : Water

Density @ 25°C : 1.25 (typical)

Flash point, closed cup : None

Pour point, °C : < - 6

Properties

- Hydrotrope / solubiliser for surfactants.
- Stable in acidic and alkaline conditions.
- Effective with low foam surfactants.
- Soluble in high pH formulations.

Typical Performance Properties

- Surface Tension : dynes/cm at 1% actives @ 25°C
Neutral : 45 (Actual pH=7.00 in distill water)
Alkaline : 41 (Actual pH=12.50 in 2% sodium hydroxide solution)
- Rose – Miles foam height mm at 1% actives @ 25°C, initial and 5 minutes
Neutral : 50/5 (Actual pH=7.00 in distill water)
Alkaline : 105/25 (Actual pH=12.50 in 2% sodium hydroxide solution)

Applications and Benefits

- High performance hydrotrope to solubilise low foam non –ionic surfactant in high pH formulations.
- Unique low foaming profile, with the ability to Solubilise low foam detergent without damaging the low foaming profile of the final formulation.
- Effective hydrotrope for alkaline systems containing high levels of builder.



VICASOL-P Ester, Ethoxylated

Specifications	Typical Property
Form	: Yellow to reddish brown liquid
Cloud point (5% aq.)	: > 100 °C
Acid value, mg KOH/g	: 1.00
pH (5% aq)	: 7.5 – 9.5
Solubility in Water	: Soluble

APPLICATIONS : As viscosity boosters in stainer manufacturers

VICASURF L Series

VICASURF L61, L62, L64 are ethylene oxide - propylene oxide based block copolymers terminating in primary hydroxyl group.

These products are 100% Nonionic and Nontoxic.

Specifications	VICASURF L-61	VICASURF L-62	VICASURF L-64
Form	Liquid	Liquid	Liquid
Average Molecular weight	2000	2500	2900
Sp. Gravity @ 25°C	1.01	1.03	1.05
Cloud Point (1% Aq) in °C	24 ±2	32 ±2	58 ±2
Water % by weight	0.5 Max	0.5 Max	0.5 Max
pH (1% Aq)	5 – 7	5 – 7	5 – 7
HLB	1-7	1 – 7	12 – 18

APPLICATIONS : As Defoamers, As Dispersants for pigment particles in latex paints

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