

Paints, Coatings & Construction

(Emulsion Polymerization)

Name	Composition	Features	Application
NON-IONIC EMULSIFIERS (APEO PRODUCTS)			
PRODUCT-OP-407	Octyl Phenol Ethoxylate	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints and coatings, floor polish & was emulsions
PRODUCT-OP-307	Octyl Phenol Ethoxylate	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints and coatings, floor polish & was emulsions
PRODUCT-OP-167	Octyl Phenol Ethoxylate	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints and coatings, floor polish & was emulsions
PRODUCT-N-307, PRODUCT-30 BD/70	Octyl Phenol Ethoxylate	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints and coatings, floor polish & was emulsions
NON-IONIC EMULSIFIERS (APEO-FREE PRODUCTS)			
PRODUCT-48 BN 7-	Ethoxylated fatty alcohol	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints & coatings, floor polish & wax emulsions.
PRODUCT-48 BD 70, PRODUCT-OT-307	Ethoxylated fatty alcohol	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints & coatings, floor polish & wax emulsions.
PRODUCT-48 AP 70	Ethoxylated fatty alcohol	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Emulsion polymerization, paints & coatings, floor polish & wax emulsions.
PRODUCT-219 BB 70	Ethoxylated fatty alcohol	Excellent emulsion stabilizer, high HLB emulsifier & dispersant, Good Solubility in presence of electrolytes & caustic.	Dispersion paints & coatings
PRODUCT-6080	EO/PO Block Copolymer, 80% EO	High HLB emulsifier & dispersant, Good solubility in presence of electrolytes & caustic.	For polymerization on vinyl acetate, acrylate and styrene acrylate emulsions, stabilizers, rheology and improves electrolyte and shear stability
PRODUCT-EO-4084	EO/PO Block Copolymer, 60% EO	High HLB emulsifier & dispersant, Good solubility in presence of electrolytes & caustic.	For polymerization on vinyl acetate, acrylate and styrene acrylate emulsions, stabilizers, rheology and improves electrolyte and shear stability
CROSS LINKING AGENT OR METAL-COMPLEXING AGENT			
RATNAQUART S	Propoxylated amine	Excellent cross-linking agent	For PU coatings
RATNAAINT PHENOXY-ETHANOL	Phenoxyethanol 99% min (preservative grade)	Versatile preservative	Used as preservative in a variety of applications
OTHERS			
RATNA-TEA	Triethanol amine 85% & 98%	Versatile pH balancer	Used as a pH balancer in a variety of products.

Name	Composition	Features	Applications
ANIONIC EMULSIFIERS (APEO-FREE)			
NAS-219AI	Ethoxylates Fatty Alcohol Sulphate Sodium salt	Excellent emulsion stabilizer, emulsifier and dispersant.	Styrene and acrylate home and co-polymers.
APEO-25 S	Ethoxylates Fatty Alcohol Sulphate Sodium salt	Excellent emulsion stabilizer, emulsifier and dispersant.	Polymerization of styrene and a vinyl esters, polymerization of acrylic and methacrylic esters.
APFP-30	Ethoxylates Fatty Alcohol Sulphate Sodium salt	Excellent emulsifier, dispersant and wetting agent. Good solubility in present of electrolyte and caustic.	Preparation of various synthetic polymers.
PRODUCT P/NN	Ethoxylated fatty alcohol phosphate acid form	Excellent emulsifier, dispersant and wetting agent	Preparation of various synthetic polymers.
PRODUCT-PFS-02	Polyalkylene Glycol Ether Sulphate, ammonium salt	Excellent emulsifier, dispersant and wetting agent	Polymerization of acrylate and styrene acrylate dispersions.
DEFOAMERS			
PRODUCT-6010	Polyoxyethylene polyoxypropylene copolymer	Excellent foam control, high thermal and chemical stability, good wetting.	General defoamer, emulsion polymerization, paints & coatings
PRODUCT-1010	Polyoxyethylene polyoxypropylene copolymer	Excellent foam control, high thermal and chemical stability, good wetting.	General defoamer, emulsion polymerization, paints & coatings
PRODUCT-8010	Polyoxyethylene polyoxypropylene copolymer	Excellent foam control, high thermal and chemical stability, good wetting.	General defoamer, emulsion polymerization, paints & coatings
SURFACTANT-BASED DISPERSING AGENTS FOR ORGANIC PIGMENTS AND CARBON BLACK			
PRODUCT-1035 SC	Polymeric ester modified Anionic APEO free	Suitable for organic pigments and carbon blacks. Recommended for pigment concentrates.	
PRODUCT-219 AU 70	Alcohol Ethoxylate 21 Mole EO	Suitable for textile printing inks and polyester disperse dyes. Suitable for phthalocyanine pigments.	
PRODUCT-35 AJ 90	Dispersing agent with aromatic group, nonionic	Recommended for pigment concentrates with low viscosity	
PRODUCT-4519 P	Dispersing agent with aromatic group, anionic, amine salt APEO free	Recommended for pigment concentrates and tinters for waterborne coatings with low viscosity	
SUPPLEMENTARY DISPERSING AGENTS			
PRODUCT-48 DV 50	Polymeric ester modified Anionic APEO free	In combination with other dispersing agent for organic pigments used to overcome gelling. Prevents thixotropy for critical pigments	
PRODUCT-EMN-118	Fatty Alcohol Ethoxylates 80%	APE-free dispersing agent for organic and inorganic pigments.	
SPECIALITY ADDITIVES FOR PAINTS			
PRODUCT-219 AG 90	Fatty Alcohol Ethoxylate 90% anionic APEO free	APEO free rapid wetting agent for waterborne coatings, low dynamic surface tension, 90% active in water.	
PRODUCT-EP-1030	EO/PO Copolymer	Low foaming wetting agent and tint strength enhancer for organic pigments and carbon black in aqueous coatings, prevents the flocculation of organic pigments.	
HUMECTANTS AND SPECIAL SOLVENTS			
PRODUCT-19 AZ	Glycereth 26	Waterborne pigment preparations with low VOC contents replacement of ethylene glycol, propylene glycol and low molecular weight glycol ethers, 5-20% on preparation.	
PEG-400	Polyethylene Glycol	Alternative to ethylene glycol, propylene glycol and low molecular weight glycol ethers.	

NAME	COMPOSITION	APPLICATION
CEMENT PRODUCT		
PRODUCT-499	TRIETHANOLAMINE	Used to make TEA salts for use as a cement grinding aid. Reduces setting time and increases resistance in crumbling due to repeated freezing and thawing.
CONCRETE PRODUCTS		
PRODUCT-30 SERIES	Alkyl Phenol Ethoxylate	Concrete and mortar plasticizer. Economical cost / use ratio, wide range of solubilities. Freeze-thaw stability. Excellent wetting.
PRODUCT-PLX-08	Alcohol alkoxylate	Low pour point characteristics
PRODUCT-THEED	Tetrahydroxyethyl ethylene diamine	Accelerator for concrete hardening.
PRODUCT-DEIPA	Diethanolisopropanolamine	Accelerator for concrete hardening
PRODUCT-PE series	Alkoxylates, naphthalene sulfonate, formaldehyde condensate	Defoamers, concrete super plasticizer
MPEG series	Methyl PEG glycols	Intermediates for super-plasticizers
PEG series	Polyethylene glycols	Lubrication / surface finish additive
PRODUCT-S series	Alkyl ether sulphates	Foaming agent
GYPSUM PRODUCTS		
PRODUCT-L-12 SERIES	Alcohol ethoxylates	Intermediate for products used in gypsum board manufacture and concrete. Excellent wetting, good emulsion capabilities. Wide range of solubilities. Freeze-thaw stability
PRODUCT-MPEG-MA	Polymer (polycarboxylate ethers)	Water reducer
PRODUCT-991	Alcohol ethoxylates	Foaming agent intermediates
OTHERS		
RATNACONST-ACR series	Acrylic esters of fatty alcohols and ethoxylates	Water reducer
RATNACONST-MACR series	Methacrylic esters of fatty alcohols and ethoxylates	Water reducer

