

Innovative Chemical Technologies, Inc.

Products for Laundry Applications



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Products for Laundry Applications

ICT Products deliver wetting, detergency, and anti-redeposition of soil to meet your Laundry formulation requirements. Bio-based products are shown in green text.

Products for Liquid Laundry	Description	Benefits
Surfactants		
Flexisurf LO-30 (bio-based content)	Lauryl dimethylamine oxide Coconut oil based Nonionic, High foaming	Exceptional detergency, grease cutting & solubilizing agent. Hypochlorite and peroxide stable. Provides a thickening effect, builds viscosity. Derived exclusively from all natural feedstocks.
Flexisurf SS-40E (bio-based content)	Disodium laureth sulfosuccinate Anionic, Excellent foaming	Mild surfactant which reduces eye & skin irritation. Sulfate-free surfactant and cleansing agent. Biodegradable.
Flexisurf LDP (bio-based content)	Sodium lauriminodipropionate Coconut oil based Amphoteric, High foaming	Contributes wetting, cleansing, foaming, & solubilizing. Efficient hydrotrope for coupling nonionic surfactants in strong electrolyte and high alkaline systems.
Flexisurf DDO-30 (bio-based content)	Lauramine oxide Coconut oil based Nonionic, High foaming Non-GMO	Excellent cleansing and grease cutting. Solubilizing & emulsifying agent. Can be used for clear formulations. Provides a thickening effect, builds viscosity. Contains a highly refined amine.
Flexisurf AO-8	Octylamine oxide Low/controlled foam Nonionic	Versatile hydrotrope, detergent, and solubilizer. Hypochlorite and peroxide stable.
Flexisurf X-5	Proprietary surfactant blend Amphoteric, VOC-free, foaming Readily biodegradable	Fast-wetting and penetrating surfactant for soil removal. Optimized for cleaners and degreasers. Replacement for APEO surfactants.
Flexisurf MCO-30 (bio-based content)	Myristyl/cetyl dimethylamine oxide Coconut oil based Nonionic High foaming	Excellent cleansing and grease cutting properties. Stable in hypochlorite and peroxide formulations. Builds viscosity and provides a thickening effect. Derived exclusively from all natural feedstocks.
Anti-Redeposition of Soil		
Flexisperse 450	Partially neutralized 4500 molecular wt.	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
Flexisperse 450N	Fully neutralized 4500 molecular wt.	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
Flexisperse 735	Arylic/sulfonate copolymer 20000 molecular wt.	Soil dispersion and anti-redeposition. High calcium tolerance for dispersion
Flexisperse 835	Acrylic acid/maleic acid copolymer 3000 molecular wt.	Unique hypochlorite stability. Anionic product for anti-redeposition of soil.
Flexisperse 1000N	Fully neutralized 10,000 molecular wt.	Polyacrylate polymer for dispersion & anti-redeposition of soil, including protein-based and hydrophobic soils.



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ICT Products include co-builders, degreasers, odor absorbers, and sequesterant to meet your Laundry formulation requirements. Bio-based products are shown in green text.

Products for Liquid Laundry	Description	Benefits
Co-Builders		
Flexisperse 184	Clear Hydrophobically-modified polymer	Provides compatibility for high surfactant concentrations. Anti-redeposition of soil & whiteness retention for laundry.
Flexisperse 174	Opaque Hydrophobically-modified polymer	Provides compatibility for high surfactant concentrations. Anti-redeposition of soil & whiteness retention for laundry.
Degreasers		
Flexiwet WBD	VOC-free APEO-free and phosphate-free	Exceptional water-based degreaser. Powerful wetter and detergent. Rapid dynamic surface tension. Acceptable for aerosol application.
Flexisurf X-5	Proprietary surfactant blend Amphoteric, VOC-free, foaming	Optimized for cleaners and degreasers. Fast wetting. Replacement for APEOs. Penetrates to remove soil.
Flexisurf LO-30 (bio-based content)	Lauryl dimethylamine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Hypochlorite and peroxide stable.
Flexisurf DDO-30 (bio-based content)	Lauramine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Can be used for clear formulations.
Flexisurf MCO-30 (bio-based content)	Myristyl/cetyl dimethylamine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Hypochlorite and peroxide stable.
Flexisurf LDP (bio-based content)	Sodium lauriminodipropionate Nonionic, High foaming	Provides degreasing, detergency, solubilizing, and emulsification properties.
Flexiclean AMP-FB (bio-based content)	Dipropionate surfactant blend Amphoteric, High foaming	Excellent solubilization and emulsification properties. Compatibilizes surfactants in high electrolyte formulations. Acceptable for aerosol application.
Sequesterant		
Flexisperse 875	Alternative for EDTA Acrylic/maleic copolymer	Provides strong sequestration of hardness ions. Highest calcium binding coefficient.
Odor Absorber for Sports Wash		
Flexisorb OD-120ZnR (bio-based content)	Zinc ricinoleate 20% actives	Odor absorber dispersion which readily dilutes in water while maintaining clarity. Bio-based content from castor seed oil.



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ICT Products provide anti-redeposition of soil for Powdered Laundry and are used in Specialty Laundry formulations.

Product for Powdered Laundry	Description	Benefits
Anti-Redeposition of Soil		
Flexisperse 450ND	Fully neutralized. 4500 M. Wt. Spray-dried form	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
Products for Other Laundry Uses		
Fabric Repellent		
Thetapel AM-5030	Laundry rinse additive Cationic, low VOC Emulsion, includes extender	Exhaust application in laundry wash/rinse cycle followed by normal drying. Durable repellency protection.
Wrinkle Release & Anti-stat		
Flexistat WR-152	Cationic pH neutral	Wrinkle releasing fabric conditioner which is color-safe. Does not stiffen the fabric. Test water-sensitive fabrics (silk & rayon) before using.
Spot Cleaner Additives		
Flexiclean LSCN	Water-soluble pH 5 to 6	Detergent system with excellent removal of tough stains. Includes enzymes & anti-redeposition polymers.
Flexiwet WBD	VOC-free APEO-free and phosphate-free	Exceptional water-based degreaser. Powerful wetter and detergent. Rapid dynamic surface tension.



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