

# 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
<b>Surfactants</b>		
<b>Flexisurf LO-30</b> (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.
<b>Flexisurf SS-40E</b> (bio-based content)	Disodium laureth sulfosuccinate Anionic, Excellent foaming	Mild surfactant which reduces eye & skin irritation. Sulfate-free surfactant and cleansing agent. Biodegradable.
<b>Flexisurf LDP</b> (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.
<b>Flexisurf DDO-30</b> (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.
<b>Flexisurf AO-8</b>	Octylamine oxide Low/controlled foam Nonionic	Versatile hydrotrope, detergent, and solubilizer. Hypochlorite and peroxide stable.
<b>Flexisurf X-5</b>	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.
<b>Flexisurf MCO-30</b> (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.
<b>Anti-Redeposition of Soil</b>		
<b>Flexisperse 450</b>	Partially neutralized 4500 molecular wt.	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
<b>Flexisperse 450N</b>	Fully neutralized 4500 molecular wt.	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
<b>Flexisperse 735</b>	Arylic/sulfonate copolymer 20000 molecular wt.	Soil dispersion and anti-redeposition. High calcium tolerance for dispersion
<b>Flexisperse 835</b>	Acrylic acid/maleic acid copolymer 3000 molecular wt.	Unique hypochlorite stability. Anionic product for anti-redeposition of soil.
<b>Flexisperse 1000N</b>	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
<b>Co-Builders</b>		
<b>Flexisperse 184</b>	Clear Hydrophobically-modified polymer	Provides compatibility for high surfactant concentrations. Anti-redeposition of soil & whiteness retention for laundry.
<b>Flexisurf 174</b>	Opaque Hydrophobically-modified polymer	Provides compatibility for high surfactant concentrations. Anti-redeposition of soil & whiteness retention for laundry.
<b>Degreasers</b>		
<b>Flexiwet WBD</b>	VOC-free APEO-free and phosphate-free	Exceptional water-based degreaser. Powerful wetter and detergent. Rapid dynamic surface tension. Acceptable for aerosol application.
<b>Flexisurf X-5</b>	Proprietary surfactant blend Amphoteric, VOC-free, foaming	Optimized for cleaners and degreasers. Fast wetting. Replacement for APEOs. Penetrates to remove soil.
<b>Flexisurf LO-30</b> <b>(bio-based content)</b>	Lauryl dimethylamine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Hypochlorite and peroxide stable.
<b>Flexisurf DDO-30</b> <b>(bio-based content)</b>	Lauramine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Can be used for clear formulations.
<b>Flexisurf MCO-30</b> <b>(bio-based content)</b>	Myristyl/cetyl dimethylamine oxide Nonionic, High foaming	Excellent detergency, grease cutting & solubilizer. Hypochlorite and peroxide stable.
<b>Flexisurf LDP</b> <b>(bio-based content)</b>	Sodium lauriminodipropionate Nonionic, High foaming	Provides degreasing, detergency, solubilizing, and emulsification properties.
<b>Flexiclean AMP-FB</b> <b>(bio-based content)</b>	Dipropionate surfactant blend Amphoteric, High foaming	Excellent solubilization and emulsification properties. Compatibilizes surfactants in high electrolyte formulations. Acceptable for aerosol application.
<b>Sequestrant</b>		
<b>Flexisperse 875</b>	Alternative for EDTA Acrylic/maleic copolymer	Provides strong sequestration of hardness ions. Highest calcium binding coefficient.
<b>Odor Absorber for Sports Wash</b>		
<b>Flexisorb OD-120ZnR</b> <b>(bio-based content)</b>	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
<b>Anti-Redeposition of Soil</b>		
<b>Flexisperse 450ND</b>	Fully neutralized. 4500 M. Wt. Spray-dried form	Sodium polyacrylate polymer for anti-redeposition of soil. Soil dispersant and sequesterant for hard water ions.
<b>Products for Other Laundry Uses</b>		
<b>Fabric Repellent</b>		
<b>Thetapel AM-5030</b>	Laundry rinse additive Cationic, low VOC Emulsion, includes extender	Exhaust application in laundry wash/rinse cycle followed by normal drying. Durable repellency protection.
<b>Wrinkle Release &amp; Anti-stat</b>		
<b>Flexistat WR-152</b>	Cationic pH neutral	Wrinkle releasing fabric conditioner which is color-safe. Does not stiffen the fabric. Test water-sensitive fabrics (silk & rayon) before using.
<b>Spot Cleaner Additives</b>		
<b>Flexiclean LSCN</b>	Water-soluble pH 5 to 6	Detergent system with excellent removal of tough stains. Includes enzymes & anti-redeposition polymers.
<b>Flexiwet WBD</b>	VOC-free APEO-free and phosphate-free	Exceptional water-based degreaser. Powerful wetter and detergent. Rapid dynamic surface tension.



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