

CleanGredients® - Product Guide

For Safer Choice Formulations



Nouryon

Tradename	Value proposition	Features and benefits	Application area
AG™ 6206 	Short chain alkyl polyglucoside - nonionic based on short chain fatty alcohol with relatively low foam.	<ul style="list-style-type: none"> • Approved by EPA for direct release into the environment • High caustic stability • Co-surfactant to boost performance cleaning formulation • Good solubility in water containing high level of electrolytes 	<ul style="list-style-type: none"> • All Purpose Cleaners (APC) • High alkaline cleaning • Cleaning in Place (CIP) • Machine dishwashing • Offshore cleaners (REACH approved)
Alcoguard® H 5240	Water based bio-polymer providing the performance of full synthetic polymers while increasing biodegradability and sustainability.	<ul style="list-style-type: none"> • Anti-redeposition, dispersancy, anti-encrustation and detergency equal to or better than synthetic polyacrylates • Improved compatibility with surfactants • Improved calcium, iron and electrolyte tolerance • Lower carbon footprint than synthetic polyacrylates 	<ul style="list-style-type: none"> • Consumer and commercial machine dishwashing • Liquid and powder laundry • Hard surface cleaners • Acidic and alkaline cleaners
Alcoguard® H 5941	Second generation bio-based water soluble polymer which is more sustainably sourced and readily bio-degradable.	<ul style="list-style-type: none"> • Anti-redeposition, anti-encrustation and anti-film forming • Best-in-class readily biodegradable water soluble polymer • Dispersant and anti-scalent with improved calcium, iron and electrolyte stability • Lowest carbon footprint polymer with up to 75% renewable, bio-based contents 	<ul style="list-style-type: none"> • Consumer and commercial machine dishwashing • Liquid and powder laundry • Hard surface cleaning • Acidic and alkaline cleaning
Alcosperse® 602N Alcosperse® 602N DRY	Cost effective multi-purpose synthetic polymer with optimized molecular weight for cleaning formulations. Available as both the liquid and dry powder product forms to broaden customer formulation possibilities.	<ul style="list-style-type: none"> • Crystal growth inhibition preventing precipitation of carbonates, phosphates or silicates • Dispersion of particulates in the cleaning bath to avoid settling and scaling on surfaces and fibers • Increased bleach stability by binding heavy metals which destabilize chlorine species through catalytic reactions • Reduces filming by soil dispersion, which minimizes organic components deposition on glass and dishware • Available as aqueous solution or powder 	<ul style="list-style-type: none"> • Consumer and commercial machine dishwashing • Chlorine bleach and bleach based cleaners • Liquid and powder laundry • Hard surface cleaners
Alcosperse® 726	Unique, high-purity hydrotroping acrylic/styrene copolymer.	<ul style="list-style-type: none"> • Hydrotroping of surfactants into heavy duty liquids • Particulate and oily soil dispersion/suspension • Protective corrosion inhibition • Hypochlorite stable • Calcium binding 	<ul style="list-style-type: none"> • Liquid laundry • Machine dishwash • Chlorine bleach based cleaners • Alkaline cleaning
Berol® 226 SA	Optimized surfactant for high performance cleaning and degreasing.	<ul style="list-style-type: none"> • Easy to formulate • Cost effective solution • Wide range of applications 	<ul style="list-style-type: none"> • Acidic and alkaline cleaners • All Purpose Cleaners (APC) • Vehicle cleaners • Water based degreasers • Deck and floor cleaners
Berol® 260 Berol® 266	Highly targeted, narrow range nonionic surfactants for more effective cleaning. Berol 260 excellent fatty soil removal. Berol 266 two cloud points for effective cleaning at high and low temperatures.	<ul style="list-style-type: none"> • Effective at very low concentrations • Low residual free alcohol • Better low temperature handling • Reduced or no need for defoamers 	<ul style="list-style-type: none"> • Hard surface cleaning • Vehicle cleaning • Water based alkaline cleaners • Microemulsions • All Purpose Cleaners (APC)
Berol® 561	Multifunctional co-surfactant that elevates the degreasing power of nonionic surfactants.	<ul style="list-style-type: none"> • Delivers superior solubilization power • Outperforms conventional hydrotropes • Reduces or eliminates the need for hazardous solvents • Corrosion inhibition 	<ul style="list-style-type: none"> • All Purpose Cleaners (APC) • Hydrotroping • Acidic and alkaline cleaners

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Berol® 609	High performance nonionic surfactant that directly replaces NP9 in cleaning formulations.	<ul style="list-style-type: none"> • Direct drop-in replacement for NP9 in aqueous cleaning formulations • Lower pour point and viscosity than NP9 mean easier handling • Dissolves much more rapidly in cold water than NP9 and without gelling 	<ul style="list-style-type: none"> • Acidic and alkaline cleaners • Cleaning In Place (CIP) applications • Pressure wash systems • NPE replacers • Vehicle cleaners
Berol® DGR 81	Optimized specialty surfactant for single surfactant systems.	<ul style="list-style-type: none"> • Good wetting and cleaning properties, together with builder it can replace solvent based cleaners • Can be used in weak to strong acid conditions • High solubility in water to formulate very high concentrated cleaning products • Low to medium foaming depending on concentration and temperature 	<ul style="list-style-type: none"> • High alkaline cleaners • Off-shore cleaning • Traffic film remover • Vehicle cleaning • Highly concentrated cleaners and degreasers
Berol® DR-B1 	High performance degreasing surfactant approved for direct release into the environment.	<ul style="list-style-type: none"> • Approved by EPA for direct release into the environment • Easily formulated into highly effective cleaners and degreasers • Maintains or even increases the performance of non-approved cleaners while allowing the formulator to make "direct release" claims 	<ul style="list-style-type: none"> • Marine and live-well cleaning • Outdoor cleaning - house, deck & fence wash • Vehicle cleaning
Dissolvine® GL-47-S	Cost effective, safe and "green"	<ul style="list-style-type: none"> • Soluble over a wide range of pH's • Natural origin index of 0.56 • Strong metal binding for hard water and transition metals 	<ul style="list-style-type: none"> • All types of Cleaning • Scale removal • Outdoor use • Oxidant stability • Laundry Detergents
Dissolvine® M-40	Cost effective, safe and "green"	<ul style="list-style-type: none"> • Strong metal chelate for hard water and transition metals 	<ul style="list-style-type: none"> • Automatic Dish Wash • Laundry Detergents • Hard Surface Cleaning
Ethylan® 1005 Ethylan® 1008 	Low foaming, low aquatic toxicity, with excellent degreasing performance.	<ul style="list-style-type: none"> • Approved by EPA for direct release into the environment • Exhibits excellent wetting and fatty soil removal in water based cleaning products • Ethylan 1005 requires a hydrotrope to be water soluble 	<ul style="list-style-type: none"> • Engine cleaning • Vehicle cleaning • Micro emulsions • All purpose cleaning • Additive to laundry detergent • Machine dishwashing • Rinse aid for machine dishwashing
Peroxy-Blend® PB33	Optimized specialty oxidant containing hydrogen peroxide for use in acid to alkaline cleaning formulations.	<ul style="list-style-type: none"> • Approved by EPA for direct release into the environment • Stable oxygen bleaching alternative • Enhanced cleaning effect on metal • Chlorine free environmentally friendly product • Stable in acidic to mildly alkaline systems 	<ul style="list-style-type: none"> • Hard surface cleaning • Metal cleaning & brightening • Alkaline cleaners • Soft surface cleaning (carpet) • Stain removal & bleaching • Wheel cleaning
Witconate™ NAS-88 	Anionic, sustainable hytrotropes.	<ul style="list-style-type: none"> • Approved by EPA for direct release into the environment (Witconate™ NAS-88) • Imparts some cleaning in addition to coupling • Hypochlorite stable 	<ul style="list-style-type: none"> • All Purpose Cleaners (APC) • Liquid detergents • Vehicle cleaning • Water based alkaline cleaners • Suitable for powder detergents

 = Direct release

"The use of any of these ingredients in your formulation may allow you to put the following logo on your label"

