


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 biodegradable. | <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 hyrotropes. | <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"

