

PRODUCTS FOR

SOAPS & DETERGENTS



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DETPRO 2040 CP LIQUID

Acrylic/maleic copolymer designed to provide select benefits in household, industrial and institutional cleaning formulations

ANTI-PRECIPIATION

DETPRO 2040 CP Liquid will increase solubility of precipitating salts by threshold effect. This allows to reduce precipitation of inorganic salts Carbonates, Sulphates of Ca and Mg in the wash bath. These salts will otherwise deposit onto fabrics and give rise to ashes and graying effect

CRYSTAL DISTORTION

This polymer gets entrapped into crystal lattices, facilitating breakage. This minimizes adherence of salts on fibers and facilitates their elimination by rinsing

SUSPENDING PROPERTIES

This polymer will keep insoluble or partially insoluble builders (such as zeolite or layered silicate) uniformly suspended in the wash bath and prevent them from settling on fabrics

DISPERSING PROPERTIES

This polymer is an excellent dispersant for proteinaceous stains that have been previously removed from fabrics. It will keep them in suspension in the wash bath

PROCESSING AIDS

The polymeric nature of DETPRO 2040 CP Liquid polymer will bring binding properties enabling to produce homogeneous and non-dusty detergent particles

DETPRO 2045 SPL LIQUID/ DETPRO 2048 AD LIQUID

Acrylic homopolymer designed to provide selected benefits in household, industrial and institutional cleaning formulations

HIGHLIGHTS

- Reduces precipitation of inorganic salts Carbonates, sulfates of Ca and Mg in the wash bath. These salts will otherwise deposit onto fabrics and give rise to ashes and graying effect
- Minimizes adherence of salts on fibers and facilitates their elimination by rinsing
- Prevents settling of insoluble or partly insoluble builders on fabrics in the wash bath
- Excellent dispersant for proteinaceous stains
- Produces homogeneous & non-dusty detergent particles

ANTI-PRECIPIATION

DETPRO 2045 SPL Liquid / DETPRO 2048 AD Liquid will increase solubility of precipitating salts by threshold effect. This allows to reduce precipitation of inorganic salts Carbonates, Sulphates of Ca and Mg in the wash bath. These salts will otherwise deposit onto fabrics and give rise to ashes and graying effect

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PROCESSING AIDS

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DETPRO 2070 EP LIQUID

DETPRO 2070 EP LIQUID designed to be used in non-phosphate or reduced phosphate laundry, industrial, and institutional formulations to control the formation of insoluble scale (encrustation) and maintain fabric whiteness.

DETPRO 2070 EP LIQUID acts as a dispersing agent to move and separate an agglomerate particle to smaller particles. Dispersants break the soil and oil particles in to small droplets, these droplets disperse into the water and gets washed off in the process of rinsing.

PRODUCT FEATURES

- Benchmark polymer for detergent and cleaning formulations
- Maintain fabric whiteness
- Applications in non-phosphate liquid, powder or cake detergent
- Excellent water softener

CUSTOMER BENEFITS

- Reliable performance
- Excellent dispersion
- Reduced water usage
- Widely used in numerous detergent formulations

KEY APPLICATIONS

- Used in water softener
- Non- phosphate liquid and powder detergent
- Laundry cakes

KEY FEATURES

- Anti - encrustation
- Better cleaning efficiency
- Anti- precipitation
- Binding properties

DETPRO FSB LIQUID

Hard water stable additive for detergent.

Acid slurry is extensively used in the manufacture of synthetic washing detergents due to its cost-effectiveness and outstanding performance. But it shows poor performance in hard water which hence contributes less detergent efficiency and less foaming. Alternate chemicals are petroleum-based but limited supply. DETPRO FSB LIQUID is the best alternative to Acid slurry. Powder detergent with DETPRO FSB LIQUID shows good hard water stability and foam stability. This cost-effective additive can partially replace Acid slurry without altering detergent performances.

KLEENPROLASE

KLEENPROLASE is a granular protease enzyme formulation consisting of Serine Protease to be used as a cleaning enzyme in Industrial Kitchens, Hospitals, etc. The formulation is effective at neutral to alkaline pH

HIGHLIGHTS

- Works at neutral and alkaline pH (7.0 - 9.0)
- Renders complete removal of various stains, greasy and soily streaks
- Exhibits complete bio-souring action on kitchen, hospitals and industrial garments
- Eco friendly, easier and milder in action

APPLICATION

Use KLEENPROLASE Granules @ 0.5-0.7% to aid to its cleaning efficacy

KLEENOLASE ULTRA

Detergent enzymes are by far the widest application of enzymes today. The function of enzymes in detergents is to enhance removal of soil particles by breaking them into smaller particles which can be more efficiently washed off. Proteases along with amylases and cellulases can be used in fabric washing products. Unspecific enzymes are used to work on a variety of protein soils. Amylases are used for removal of starch soils while effect of Cellulases brings about the removal of microfibrils, ultimately liberating the entrapped soil particles making the fabric & garment look more brighter.

HIGHLIGHTS

- Works at neutral and alkaline pH (7.5 - 10)
- Renders complete removal of various stains and soily streaks
- Helps removing other proteinacious stains on clothes
- Exhibit complete bio souring action on kitchen, hospital and industrial garments
- Eco friendly , easier and milder in action

APPLICATION

Use KLEENOLASE ULTRA @ 0.2 - 0.5% to the Detergent Formulation to aid its detergent Efficacy

KLEENOLASE PLUS

The function of enzymes in detergents is to enhance removal of stains by breaking them into smaller particles which can be more efficiently washed off. Proteases along with amylases , cellulases and lipases can be used in fabric washing products. Unspecific enzymes are used to work on a variety of protein soils. Lipases are used in some detergent formulations to hydrolyze fats, improving detergency of fat soils. Lipases seem to absorb on fat soils and degradation occurs between the washing steps, giving complete removal in the subsequent wash. Amylases are used for removal of starch soils. Cellulases effect is supposed to be derived by removal of micro fibril which help to liberate entrapped soils at disrupted fiber surfaces. The cleaning of fiber surfaces from soils and loss of micro fibrils gives a brighter effect to fabrics and garments making garments look renewed. Lipases hydrolyses fats improving detergency of fat soils. Lipases absorb on fat soils and degradation occurs between the washing steps giving complete removal in subsequent wash

HIGHLIGHTS

- Works at neutral and alkaline pH (7.5 - 10)
- Renders complete removal of various stains and soily streaks
- Helps removing other proteinacious, oily & fatty stains on clothes
- Exhibit complete bio souring action on kitchen, hospital and industrial garments
- Eco friendly, easier and milder in action

APPLICATION

Use KLEENOLASE PLUS @ 0.2 - 0.3% to the Detergent formulation to aid its detergent efficacy

SENSOCRYL AT 50 LIQUID

A non-ionic surfactant

USES

SENSOCRYL AT 50 Liquid is recommended for both mineral and organic acids when the following characteristics are required

- Increased viscosity
- Viscosity which is stable in time
- Viscosity which is stable in the temperature cycle (0-45°C).



SENSOCRYL 1610 L LIQUID

Thickener for Hand Wash Formulations

Sensocryl 1610 L Liquid is a thickener which provides low viscosity, excellent clarity, elegant textures with smooth flow, suspension and thickening to low pH cleansing products formulated with natural preservatives. It is versatile and easy to formulate with a one-step neutralization process and no back-acid technique. Sensocryl 1610 L Liquid can suspend any types of insoluble particles, beads, glitters and air bubble. Shows an excellent compatibility with mild as well as sulfate-free surfactants, both ionic and non-ionic.

ROSS PEARL H

Pearlising Agents

ROSS PEARL H is a pumpable pearly gloss concentrate, used in cold-process manufacture of shampoos and hand wash. ROSS PEARL H be added to the blend of water and the active ingredients of the formulation at temperatures between 20-35°C by slow blending followed by the needed pH and viscosity adjustments. The pearlescent effect is achieved immediately after the addition of ROSS PEARL H to the cold solution of the surfactant. The stability of the pearlescence of the final product depends on sufficient viscosity.

BENZALKONIUM CHLORIDE (BKC)

Benzalkonium Chloride 50% & 80% quaternary Ammonium Class of Biocide
50% Solution of Benzalkonium Chloride (bkc) (alkyl Dimethyl Benzyl Ammonium Chloride)

Benzalkonium Chloride (BKC) is a safe, effective, broad spectrum microbicidal biocide and is used widely as a combination sanitizer-disinfectant for the Hospital, Livestock & Personal Hygiene sectors / Sugar and water treatment etc

Benzalkonium Chloride (BKC) has excellent concentration exponent value i.e. <2

Benzalkonium Chloride (BKC) based disinfectants are non-toxic, non-tainting & odour-free at final usable dilution
Benzalkonium chloride (BKC) reduces antibiotic requirement in aquaculture through improved hygiene. BKC is used for water treatment, fish parasite removal, general site disinfection, and infectious disease prevention

FORMULATION BASED ON BENZALKONIUM CHLORIDE ARE USED FOR FOLLOWING APPLICATIONS

- Terminal disinfection in empty shed
- Spraying in shed prior to arrival of chicks
- On litter material before disposal
- Spraying on vehicle used for litter disposal
- Spraying on dead bird disposal pit
- Disinfection of curtains
- Foot & vehicle dip
- Egg trays & trolleys disinfection
- Hatchery work areas
- Shower on vehicles

USE IN VARIOUS INDUSTRIES

- Aquaculture
- Water treatment
- Oil & Gas
- Manufacture of disinfectants and detergent - sanitisers
- Pharmaceuticals & cosmetics
- Timber protection, Pulp and Paper Industry
- Leather Industry
- Polymer Coatings




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