



Products For

# SOAP & DETERGENT



# Soap & Detergent

## DETPRO 2040 CP LIQUID

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

### Highlights

#### Anti-precipitation

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

## ROSBA OBD 50 LIQUID

An anionic fluorescent brightener for detergent giving bright violet bluish shade

### Highlights

- Suitable brightener for detergents
- Stable in alkali, Perborate, Hydrogen Peroxide usually found in household and commercial laundering
- Suitable to use in liquid detergent
- High whiteness
- Excellent at low temperatures
- Due to its good solubility demonstrates very good leveling properties
- Liquid - Ease of formulation

## DETPRO 2045 HP LIQUID/ DETPRO 2048 LIQUID

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

### Highlight

- 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-precipitation

DETPRO 2045 HP Liquid / DETPRO 2048 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 2045 HP Liquid / DETPRO 2048 Liquid polymer will bring binding properties enabling to produce homogeneous and non-dusty detergent particles



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## 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 degrdation 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).

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## **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



## **ROSSARI BIOTECH LIMITED**

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