



# SCI-TECH

ENGINEERED CHEMICALS INC.

PRODUCT APPLICATION GUIDE

Leaders in Green Chemistry

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## Leaders in Green Chemistry

**Sci-Tech Engineered Chemicals Inc.** is a Canadian chemical manufacturer, servicing a variety of markets within Canada and abroad. With a focus on research and development, Sci-Tech has become a leader in environmental cleaning solutions.

## A FEW OF OUR CLIENTS



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# ENVIRONMENTALLY FRIENDLY PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-151 Hypoallergenic Liquid Laundry Detergent

An innovative combination of biodegradable surfactants and builders results in a performance detergent that removes stains from a variety of fabrics. This hypoallergenic detergent is formulated with zero dyes and fragrances and carries Ecologo Certification.

✓SCENT & DYE FREE ✓HYPOALLERGENIC ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

1. Sort laundry and load machine. 2. Pre-soak and pre-spot laundry when necessary. 3. K-151 is injected into the wash tank through an automatic dispenser. 4. For manual feed use 30 - 60 mL per load. If soils are heavy, more product may be required. *Note: Concentrations may vary due to environmental conditions and load size. Food contact surfaces must be rinsed with potable water before reuse.*

### Protocol K-251 Dishwashing Detergent

Protocol K-251 is a low foaming, commercial dishwashing detergent that utilizes a unique combination of highly biodegradable ingredients. These ingredients collaborate to suspend and sequester soils while cutting through the toughest grease. This product may be used in high or low-temperature dishwashing machines.

✓HI & LOW TEMP MACHINES ✓LOW FOAMING ✓LIQUID  
✓CFIA APPROVED

Add product to the electronic feed system directly from the shipping container as per the manufacturer's recommendation. Quantity of product required may vary depending on water conditions and soil loads. The recommended concentration range in the wash solution is 0.1 - 0.25%. Food contact surfaces must be rinsed with potable water before reuse.

### Protocol K-252 Dishwashing Rinse Agent

Protocol K-252 is a rinse agent designed to enhance sheeting of water in the final rinse of high and low-temperature commercial dishwashers. Made with all biodegradable ingredients, Protocol K-252 rinse additive will eliminate spots on glasses, cutlery, and all other kitchenware.

✓HI & LOW TEMP MACHINES ✓LIQUID

Inject product automatically into the final rinse line of the dishwasher or glass-washer. For optimum results, usage levels should range between 100 - 300 ppm. Concentration may vary due to environmental conditions. Food contact surfaces must be rinsed with potable water before reuse.

### Protocol K-280 Descaler

Protocol K-280 is an organic salt based descaler designed to remove hard water scale and rust deposits. K-280 is formulated without detergents to prevent foam build up and film formation. This product is suitable for descaling coffee and tea brewers, soup wells, hot holding inserts, urinals, dishwashers etc.

✓CONCENTRATED ✓COFFEE MACHINES ✓DISHWASHERS  
✓HARD WATER SCALE ✓RUST DEPOSITS

For cleaning new coffee machines to prevent large scale build-up, add 500 mL of K-280 to the reserve water tank and flush the cleaning solution through the system. If the machine permits, allow the solution to sit in the machine for 5-10 min. After sitting, drain the cleaning solution and flush with water until the pH of the water tests neutral with pH test strips. For cleaning heavily scaled coffee machines to remove large scale build-up, add 500 mL of K-280 to the reserve water tank and flush the cleaning solution through the system. If possible, allow the solution to sit in the machine for 5-10 min. After sitting, drain the cleaning solution. If time permits, recycle the spent cleaning solution back through the reservoir to maximize the amount of scale removed. pH strips can be used to test the strength of the cleaning solution. Once the cleaning solution has reached a pH of 4 it is spent. Drain the cleaning solution and flush with fresh water until the pH of the water tests neutral with pH test strips. Not Safe for use on marble or limestone.

## ENVIRONMENTALLY FRIENDLY PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Protocol K-300 All Purpose Cleaner

Protocol K-300 is an all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. K-300 is a ready to use product and exhibits exceptional performance in many different environments from restaurants to schools, while being GRA endorsed and Ecologo certified.

✓READY TO USE ✓MULTI-SURFACE ✓RESTAURANTS  
✓BUILDING MAINTENANCE ✓ECOLOGO CERTIFIED ✓CFIA APPROVED

Apply solution using a sprayer, sponge, pressure washer, or brush. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-300: Water): Light soil - 1:10, Medium soil - 1:5, Heavy soil - use undiluted. Please refer to our dilution chart for more detailed information. Food contact surfaces must be rinsed with potable water before reuse.

#### Protocol K-300i Cleaner / Degreaser

Protocol K-300i is a concentrated Ecologo approved and GRA endorsed all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. Protocol K-300i is the most versatile product in the protocol lineup and has proven to be a performance multi-surface cleaner capable of handling daily cleanup in a restaurant environment to a multitude of uses in industrial applications.

✓CONCENTRATED ✓MULTI-SURFACE ✓BUILDING MAINTENANCE  
✓RESTAURANTS ✓INDUSTRIAL ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

Apply solution using a sprayer, sponge, pressure washer, or brush. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-300i:Water): Light soils: 1:50, Medium soils: 1:25, Heavy soils 1:20. Food contact surfaces must be rinsed with potable water before reuse. Please refer to our dilution chart for more detailed information.

#### Protocol K-301 Heavy Duty Cleaner / Degreaser

Protocol K-301 is a highly concentrated heavy duty cleaner/degreaser designed to tackle the toughest soil loads. As a concentrated multi-purpose cleaner, K-301 outperforms traditional products in the harshest conditions while being environmentally friendly and 100% biodegradable.

✓CONCENTRATED ✓MULTI-PURPOSE ✓HEAVY DUTY  
✓INDUSTRIAL ✓CFIA APPROVED

Apply solution using a sprayer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Food contact surfaces must be rinsed with potable water before reuse. Dilution Rates (K-301:Water) Light soils: 1:150, Heavy soils: 1:30, Truck/car wash: 1:80. Please refer to our dilution chart for more detailed information.

#### Protocol K-370 Chrome & Stainless Steel Cleaner

Protocol K-370 is an organic salt based chrome and stainless steel cleaner designed to eliminate rust and calcium deposits. Protocol K-370 can be used alone or as a presoak in a two stage wash system. The organic salts used in Protocol K-370 act like hydrochloric acid without the safety hazards.

✓CONCENTRATED ✓STAINLESS STEEL ✓CHROME  
✓ACID REPLACEMENT

For normal cleaning jobs, apply Protocol K-370 at a ratio of 1:10 (K-370:water). Let sit for 2-5 min then rinse with a pressure washer. For a greater effect, brush the solution on as the agitation will increase the cleaning. Ensure to rinse thoroughly, as with any other acid, Protocol K-370 is corrosive to aluminum and can still cause damage after long periods of exposure. For heavy rust or calcium scale use 1:5. This product can also be used straight to etch concrete. Not Safe for use on marble or limestone.

#### Protocol K-390 Aluminum Brightener

Protocol K-390 is a hydrofluoric acid (HF) free aluminum brightener that is designed to imitate HF without the safety hazards. It uses a low toxicity acid salt specially designed to remove dirt, grime, and oxidation from aluminum surfaces leaving them bright and clean.

✓CONCENTRATED ✓ALUMINUM ✓ACID REPLACEMENT

For standard cleaning, dilute 10:1 and apply to aluminum surface. This product takes longer than HF to act, but this allows for more control and is less prone to burning the metal. Rinse after a few minutes of contact time. To remove stains caused by overuse of HF, use this product straight followed by a rinse. DO NOT apply this product through a high temperature pressure washer like a Hotsy.

#### Protocol K-400 Neutral Floor Cleaner

Protocol K-400 is an Ecologo certified neutral floor cleaner that utilizes a biodegradable, naturally derived surfactant system. This concentrated product efficiently removes black marks and day-to-day soils without damaging existing floor finishes.

✓CONCENTRATED ✓NEUTRAL PH ✓EASY ON FLOOR FINISH  
✓ECOLOGO CERTIFIED ✓CFIA APPROVED

For automatic scrubbers, use 7 mL of product per L of water (dilution 1:160). For mopping and general cleaning, use 10 mL of product per L of water (dilution 1:100). Food contact surfaces must be rinsed with potable water.



## ENVIRONMENTALLY FRIENDLY PRODUCTS

PRODUCT NAME / No. / DESCRIPTION	PRODUCT DIRECTIONS
<p><b>Protocol K-451 Floor Finish</b></p> <p>Protocol K-451 is a superior floor finish that meets all environmental standards while providing maximum protection and durability to newly stripped floors. A high solids content allows for fewer applications of K-451 compared to most floor finishes, while exhibiting outstanding recoat-ability, high off the mop gloss, and good buff or burnish response.</p> <p>✓LOW ODOUR ✓HIGH SOLIDS CONTENT ✓OUTSTANDING RECOAT ABILITY</p>	<p><i>Floor preparation and application: If floor needs stripping use recommended stripper as directed. If floor is in good condition, ensure floor is thoroughly clean and dry. Apply a thin, uniform coat of product using a clean string mop or applicator. On newly stripped floors, several coats of finish may be required to obtain desired gloss. Allow 30 minutes drying time between coats. Apply 3-4 coats for optimal gloss and durability. Maintenance: Dry mop floors daily. Dampen mop with a neutral floor cleaner. Spray buffing several coats will improve gloss and durability. Optimum gloss and durability can be achieved by burnishing with high speed machines.</i></p>
<p><b>Protocol K-550 Engine &amp; Parts Degreaser</b></p> <p>Tough grease, oil and carbon deposits are no match for Protocol K-550's concentrated alkaline formula. K-550 is created with a built in rust inhibitor making this product suitable for cleaning bare metals.</p> <p>✓PARTS WASH</p>	<p><i>Protocol K-550 is a versatile product that can be used at a variety of concentrations. For extra heavy-duty cleaning use at a dilution of 1:10. For medium-duty dilute 1:50 and for light-duty dilute 1:200. When used in a pressure washer, the dilution may be increased further due to increased agitation. Ensure proper protective equipment is used as this product is corrosive.</i></p>
<p><b>Protocol K-621 Organic Waste Degradar</b></p> <p>Protocol K-621 uses specially selected bacterial strains and enzymes to degrade and remove organic waste. These bacteria and enzymes actively attack oil, grease and fat that builds up in drains, grease traps and sumps. A cherry scent covers odours while the organic material broken down.</p> <p>✓GREASE TRAPS ✓DRAINS ✓SUMPS ✓CHERRY SCENTED</p>	<p><i>This product is ready to use and contains 100 billion bacteria count per gallon. Initial shock treatment and daily application will depend upon the size of the system and the type of waste. Shake well before using.</i></p>
<p><b>Protocol K-650 Calcium, Rust, and Lime Remover</b></p> <p>Protocol K-650 is an Ecologo certified and GRA endorsed calcium, rust and lime remover. Formulated with organic salts, K-650 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use. K-650 is particularly effective on stone surfaces and any surface that interacts with water on a regular basis, making this a perfect product for kitchen and bathroom environments.</p> <p>✓READY TO USE ✓MULTI-SURFACE ✓BATHROOMS ✓KITCHENS ✓STONE ✓STAINLESS STEEL ✓ECOLOGO CERTIFIED ✓CFIA APPROVED</p>	<p><i>Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-650:Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust, and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES. Food contact surfaces must be rinsed with potable water before reuse. Please refer to our dilution chart for more detailed information. Not Safe for use on marble or limestone.</i></p>
<p><b>Protocol K-651 Heavy Duty Calcium, Rust, and Lime Remover</b></p> <p>Protocol K-651 is a low pH cleaner made from an organic salt/surfactant blend that is designed to quickly penetrate dirt, oil, grease, calcium carbonate, lime, rust, and other everyday soils. K-651 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use. A built-in surfactant allows the product to penetrate and lift scale deposits when circulating.</p> <p>✓READY TO USE ✓HEAVY DUTY ✓MULTI-SURFACE ✓TILE ✓STONE ✓GROUT ✓CFIA APPROVED</p>	<p><i>Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-651:Water): Light soils: 1:10, Medium soils and soft metals: 1:6, Heavy soils, lime, rust and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES. Food contact surfaces must be rinsed with potable water before reuse. Please refer to our dilution chart for more detailed information. Not Safe for use on marble or limestone.</i></p>

## ENVIRONMENTALLY FRIENDLY PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Protocol K-661 Glass Cleaner

Protocol K-661 is an Ecologo certified non-ammoniated glass cleaner designed for fast, thorough cleaning of all glass surfaces. It removes spoils without smudging and with no VOCs, alcohol, glycol ether, this product is an ideal choice for industries where environmental impact is a concern.

✓READY TO USE ✓NON-AMMONIATED ✓ALL GLASS SURFACES  
✓ECOLOGO CERTIFIED ✓CFIA APPROVED

Apply a fine mist on all glass or mirror surfaces. For best results, remove K-661 with a squeegee. If a squeegee is not available, wipe with a clean lint free cloth or paper towel. Food contact surfaces must be rinsed with potable water before reuse. If necessary, polish glass with clean lint free cloth.

#### Protocol K-671 Toilet Bowl Cleaner

Protocol K-671 is a low pH toilet bowl cleaner made from an organic salt surfactant blend, designed to quickly penetrate urine, calcium, lime, rust, and other toilet bowl soils. This unique blend of organic surfactants and organic salts performs exceptionally well and is an excellent alternative to acid based bowl cleaners. K-671 is formulated with blue dye and a thickening agent for easier application.

✓READY TO USE ✓LOW PH ✓TOILETS ✓URINALS

For general cleaning, use 60 - 70 mL of product per toilet bowl. Higher dosages may be required depending on amount of soil to be removed.

#### Protocol K-681 Stainless Steel and Wood Polish

This water based stainless steel and wood polish uses silicones and natural oils to produce a high lustre without an oily finish. It easily and effectively polishes any wood or stainless steel surface.

✓READY TO USE ✓STAINLESS STEEL ✓WOOD ✓CFIA APPROVED

Spray a fine mist of product on wood or stainless steel surfaces. Wipe with a clean lint free cloth. Food contact surfaces must be rinsed with potable water before reuse.

#### Protocol K-691 Leather & Vinyl Cleaner/Protectant

K-691 is designed to clean and condition leather and vinyl surfaces. This product will remove dirt and oils while promoting moisture retention, creating a lustre that keeps surfaces looking new.

✓READY TO USE ✓LEATHER ✓VINYL

Shake before use. Spray product on to surface to be cleaned. Rub with a lint free cloth to cover entire surface. Wipe cleaner residue with a clean, lint free cloth. Apply regularly to keep surfaces looking clean and new.

#### Protocol K-750 Foaming Hand Soap

This exceptionally mild, Ecologo certified hand soap was designed for use in foaming hand soap dispensers. Protocol K-750 uses ultra mild, readily biodegradable cleaners that are tough on dirt, but mild on skin. Protocol K-750 is not formulated with dyes, fragrances or preservatives that can irritate sensitive skin.

✓ULTRA MILD ✓HYPOALLERGENIC ✓SCENT & DYE FREE  
✓FOAMING SOAP ✓DISPENSER READY ✓ECOLOGO CERTIFIED

Pour product directly into bulk fill reservoir. This product is designed for foaming hand soap dispensers only. Do not use this product in traditional liquid style dispensers. All food contact surfaces must be rinsed with potable water before reuse. Food handlers must rinse hands with potable water before handling food.

#### Protocol K-751 Hand Soap

Protocol K-751 is an ultra-mild hand soap, made from coconut oil emollients that leave hands clean and feeling soft. This product is almond scented and pH balanced for sensitive skin. K-751 is ready to use in all types of liquid soap dispensers.

✓ULTRA MILD ✓SENSITIVE SKIN FRIENDLY ✓ALMOND SCENTED  
✓LIQUID SOAP ✓DISPENSER READY ✓CFIA APPROVED

This product is ready to use in all types of liquid soap dispensers. Food handlers must rinse their hands with potable water before handling food products.

#### Protocol K-760 Lotion Hand Soap

This exceptionally mild, Ecologo certified hand soap was designed for use in all standard liquid hand soap dispensers. Protocol K-760 moisturizes skin while being tough on dirt and other everyday soils. Protocol K-760 is not formulated with dyes, fragrances or preservatives that can irritate sensitive skin.

✓ULTRA MILD ✓HYPOALLERGENIC ✓SCENT & DYE FREE  
✓LIQUID SOAP DISPENSER READY ✓ECOLOGO CERTIFIED

Pour product directly into bulk fill reservoir. This product is designed for liquid hand soap dispensers only. Do not use this product in foaming hand soap style dispensers. All food contact surfaces must be rinsed with potable water before reuse. Food handlers must rinse hands with potable water before handling food.



# LAUNDRY CARE PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Fresh & Clean | 128 Economy Liquid Laundry Detergent

This liquid laundry detergent provides excellent soil removal and is economical to use. It is ideal for top loading machines where ease of application is required. This laundry detergent can be used in conjunction with dispensing systems. A pleasant fragrance gives fabrics a lasting freshness.

✓LIQUID DETERGENT ✓ECONOMICAL ✓SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. During the wash cycle, feed product directly from shipping container. 5. For manual feed, use 90 - 120 mL of detergent per load. If soils are heavy, more detergent may be needed. *Note: Concentrations may vary due to environmental conditions and load size.*

### Tempest | 127 | Liquid Laundry Detergent

This commercial grade liquid laundry detergent contains a readily biodegradable surfactant package with excellent wetting and emulsifying properties. The readily biodegradable builders sequester and disperse soil particles to prevent stain re-deposition. This innovative combination of surfactants and builders results in a detergent that removes stains from a variety of fabrics.

✓LIQUID DETERGENT ✓SCENTED

1. Sort laundry and load machine. 2. Pre-soak and pre-spot laundry when necessary. 3. K-151 is injected into the wash tank through an automatic dispenser. 4. For manual feed use 30 - 60 mL per load. If soils are heavy, more product may be required. *Note: Concentrations may vary due to environmental conditions and load size.*

### Liquid Magic | 129 Deluxe Liquid Laundry Detergent

This premium, high performance laundry detergent and stain remover is built to handle the worst soil conditions. It is very effective at cleaning aprons, towels, work clothing, sheets and table linens. Exceptional washing and rinsing action is promoted in either high or low temperature laundry cycles. A pleasant fragrance gives fabrics a lasting freshness.

✓LIQUID DETERGENT ✓HIGH PERFORMANCE ✓SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. During the wash cycle, feed detergent directly from shipping container. 5. For manual feed, use 30 - 60 mL per load. If soils are heavy, more detergent may be needed. *Note: Concentrations may vary due to environmental conditions and load size.*

### Protocol K-151 Hypoallergenic Liquid Laundry Detergent

An innovative combination of biodegradable surfactants and builders results in a performance detergent that removes stains from a variety of fabrics. This hypoallergenic detergent is formulated with zero dyes and fragrances and carries Ecologo Certification.

✓SCENT & DYE FREE ✓HYPOALLERGENIC ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

1. Sort laundry and load machine. 2. Pre-soak and pre-spot laundry when necessary. 3. K-151 is injected into the wash tank through an automatic dispenser. 4. For manual feed use 20 - 50 mL per load. If soils are heavy, more product may be required. *Note: Concentrations may vary due to environmental conditions and load size.*

### Spectra Brite | 101 Liquid Detergent for Automated Dispensing Systems

This alkaline-built liquid laundry detergent is specifically designed for use in automated dispensing systems. By rapidly wetting and penetrating clothes, this detergent lifts and emulsifies grease and oils while preventing re-deposition. This product works well in high or low temperatures and in all water conditions. The optical brighteners leave fabrics looking bright and new while a pleasant fragrance leaves fabrics with a lasting freshness. Safe for use on all fabrics.

✓LIQUID DETERGENT ✓AUTOMATED DISPENSER READY  
✓LOW OR HIGH TEMPERATURES ✓SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. During the wash cycle, feed product directly from shipping container. 5. For manual feed, use 45 - 90 mL per load. If soils are heavy, more detergent may be required. *Note: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust detergent required to meet your needs. NOT FOR USE ON DIRECT FOOD CONTACT ITEMS.*

## LAUNDRY CARE PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Cyclone | 122 | Economy Powdered Laundry Detergent

This phosphate free laundry detergent is designed for your all-around, everyday washing needs. This product is the perfect choice for any job where simplicity in product and application is required. A built-in lemon fragrance gives fabrics a lasting freshness. 100% biodegradable.

✓POWDERED DETERGENT ✓ECONOMICAL ✓LEMON SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. In wash cycle, use 60 - 120 g of detergent per load. If soils are heavy, more detergent may be needed.

#### Twister | 124 | Powdered Laundry Detergent

This phosphate free laundry detergent delivers quality performance every wash cycle. Overall, this product is the perfect choice for any job where simplicity in product and application is required. A built-in lemon fragrance gives fabrics a lasting freshness. 100% biodegradable.

✓POWDERED DETERGENT ✓HIGH PERFORMANCE ✓LEMON SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. In wash cycle, use 60 - 120 g of detergent per load. If soils are heavy, more detergent may be needed. For other cleaning applications, use 30 - 120 g per 16 L of warm water, depending on the nature of the job.

#### Atomic HD | 103 | Heavy Duty Powdered Laundry Detergent

This non-phosphate powdered laundry detergent is designed to tackle heavy soil loads. A highly active blend of low suds wetting agents, soil suspending agents, and organic water conditioning components allows this product to perform well in either hot or cold water. It is free rinsing and contains optical brighteners that leave fabrics looking radiant and new. A built-in lemon scent provides fabrics with lasting freshness.

✓POWDERED DETERGENT ✓HEAVY DUTY ✓LEMON SCENTED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. During the wash cycle, use 30 - 90 g of product per load. If soils are heavy, more detergent may be required. *Note: Concentrations may vary due to environmental conditions and load size.*

#### Over Drive | 113 | Industrial Powdered Laundry Detergent

This highly alkaline, high performance laundry detergent is formulated for use in laundries with heavy grease, oil and soil loads. It has great saponification and emulsification properties making it the right choice for cleaning overalls, greasy clothes, wiping rags, and similar heavily soiled items.

✓POWDERED DETERGENT ✓INDUSTRIAL STRENGTH  
✓CFIA APPROVED

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen into laundry machine. 4. For wash cycle, use 60 - 90 g of product per 25 kg load. If soils are heavy, more detergent may be needed. *Note: Concentrations may vary due to environmental conditions and load size. Not for use on direct food contact items.*

#### Booster | 106 | Alkali Builder

This highly concentrated laundry alkaline builder is designed for use in automatic liquid dispensing systems. It contains sequestrants and anti-redeposition agents to provide optimum cleaning performance while maintaining a controlled pH over an extended period of time. It also promotes detergency on light, medium, and heavy soils while preventing greying of fabrics.

✓AUTOMATED DISPENSER READY

1. Sort laundry prior to wash. 2. Pre-soak and/or pre-spot laundry when necessary. 3. Place proper amount of soiled linen in laundry machine. 4. In wash cycle, feed product directly from shipping container. Usage levels will be 600 - 1300 ppm depending on soil type. *Note: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust amounts required to meet your needs.*

#### Soft-Tex | 108 | Fabric Softener

This liquid cationic fabric softener reduces extraction time, eliminates static, and reduces sticking while leaving fabrics airy and soft. A pleasant fragrance provides fabrics with lasting freshness.

✓FABRIC SOFTENER ✓CONTROLS STATIC CHARGE ✓SCENTED

1. During the final rinse cycle, feed product directly from shipping container. 2. For manual feed, use 60 - 100 mL per load (25 - 50 Kg). *Note: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust detergent amounts required to meet your needs.*

#### Bleach 6% | S002 | Sodium Hypochlorite Sanitizer

This product is a quality checked 6% Sodium Hypochlorite solution which acts as an excellent bleaching agent for sanitizing and deodorizing in a wide variety of applications.

✓SANITIZER ✓DEODORIZER

To sanitize, use 60 mL of product per 5 litres of water. For laundry applications, use amounts will vary depending on the size of machine. For large top-loading machines, use 380 mL. For regular top-load machines, use 250 mL. For heavily stained laundry, increase above amounts by 50 mL. For hand laundry, use 30 mL per 10L of detergent water.

#### Bleach 12% | S001 | Sodium Hypochlorite Sanitizer

This product is a quality checked 12% Sodium Hypochlorite solution which acts as an excellent bleaching agent for sanitizing and deodorizing in a wide variety of applications.

✓SANITIZER ✓DEODORIZER

To sanitize, use 30 mL of product per 5 litres of water. For laundry applications, use amounts will vary depending on the size of machine. For large top-loading machines, use 190 mL. For regular top-load machines, use 125 mL. For heavily stained laundry, increase above amounts by 25 mL. For hand laundry, use 15 mL per 10L of detergent water.



## LAUNDRY CARE PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Oxy-Bleach Concentrate | 111 Concentrated Laundry Bleach

This concentrated oxygen bleaching agent is specially formulated for use on synthetic fabrics and coloured laundry. It may be safely used with enzyme presoaks or regular laundry detergents. Its exceptional mildness allows it to be added directly to the laundry during the filling operation. This product can be used in all temperatures, but provides ultimate bleaching and cleaning in hot solutions.

✓SYNTHETIC & COLOURED FABRICS ✓CONCENTRATED

- 1) Place proper amount of soiled linen into laundry machine.
- 2) In bleach cycle, feed product directly from shipping container.
- 3) For manual feed, use 30 - 60 mL per load. For severely stained linen, more bleaching agent may be required. *Note: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust bleaching agent amounts required to meet your needs.*

#### Oxy-Bleach RTU | 112 Ready to Use Laundry Bleach & Stain remover

This ready-to-use oxygen bleaching agent is specially formulated for use on synthetic fabrics and coloured laundry. It may be safely used with enzyme presoaks or regular laundry detergents. Its exceptional mildness allows it to be added directly to the laundry during the filling operation. This product can be used in all temperatures, but provides ultimate bleaching and cleaning in hot solutions. A built-in lavender fragrance gives fabrics a lasting freshness.

✓SYNTHETIC & COLOURED FABRICS ✓READY TO USE  
✓LAVENDER SCENTED

As a bleaching agent for laundry applications, use 100 - 200 mL per load. As a stain remover apply product directly to stain area, let stand for 5 - 10 minutes, and then wash as per normal. To use this product as a pre-soak for treating heavily stained fabrics, mix 150 mL of product per L in a plastic tub. Soak the stained fabric.

#### Powdered Oxygenated Bleach | 131 Powdered Laundry Bleach

This ready-to-use, powdered oxygen bleaching agent is specially formulated for use on synthetic fabrics and coloured laundry. It effectively removes food and other organic soils while enhancing the whiteness and brightness of washable fabrics. It may be safely used with enzyme presoaks or regular laundry detergents. Its exceptional mildness allows it to be added directly to the laundry during the filling operation. This product can be used in all temperatures, but provides ultimate bleaching and cleaning in hot solutions.

✓SYNTHETIC & COLOURED FABRICS ✓POWDERED

As a bleaching agent for laundry applications, use 40 - 80 g of product per load. To use this product as a pre-soak for treating heavily stained fabrics, mix 20 g of product per L in a plastic tub. Soak the stained fabric.

#### Protocol K-300 All Purpose Cleaner

Protocol K-300 is an all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. K-300 is a ready to use product and exhibits exceptional performance in many different environments from restaurants to schools, while being GRA endorsed and Ecologo certified.

✓READY TO USE ✓MULTI-SURFACE ✓RESTAURANTS  
✓BUILDING MAINTENANCE ✓ECOLOGO CERTIFIED

Protocol K-300 can be used as a laundry spotter. Prior to running the fabric through the washing machine, pour a small amount of K-300 as is directly on the stain, allow to soak for up to 20 min. Lightly agitate the fabric and rinse. Multiple applications may be required for large or stubborn stains. After treating stains with K-300, the fabric can be run through a regular wash cycle.

#### Neutra-Sour | 105 | Laundry Sour

Neutra-Sour is formulated with high quality souring agents which help control pH in the final washing stages while leaving clothes fresh, clean, and soft. Proper pH adjustment using Neutra-Sour in the rinse cycle can help prevent yellowing and can increase softness. This product should always be used in the final rinse of the laundry program.

✓SYNTHETIC AND COLOURED FABRICS ✓CONCENTRATED  
✓UNSCENTED

1. During the rinse cycle, feed product directly from shipping container.
2. For manual feed, use 30 - 90 mL per load. If a high amount of alkali booster was used, more product may be required. A final pH of 5.5 - 6.5 is recommended for fabrics. *NOTE: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust amounts required to meet your needs.*

#### Neutra-Soft | 107 | Laundry Sour / Soft

This product incorporates three functional laundry steps in one easy to use product. This unique formulation includes high quality souring agents and excellent cationic fabric softeners which provide static charge control while leaving clothes fresh, clean, and soft. This product should always be used in the final rinse of the laundry program. A pleasant fragrance gives fabrics a lasting freshness.

✓FABRIC SOFTENER ✓CONTROLS STATIC CHARGE  
✓PREVENTS YELLOWING OF FABRICS ✓SCENTED

1. During the rinse cycle, feed product directly from shipping container.
2. For manual feed, use 30 - 90 mL per load. If a high amount of alkali booster was used, more product may be required. A final pH of 5.5 - 6.5 is recommended for fabrics. *Note: Concentrations may vary due to environmental conditions and load size. Your laundry specialist will adjust amounts required to meet your needs.*



# WARE WASH PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-251 **Commercial Dishwashing Detergent**

Protocol K-251 is a low foaming, commercial dishwashing detergent that utilizes a unique combination of highly biodegradable ingredients. These ingredients collaborate to suspend and sequester soils while cutting through the toughest grease. This product may be used in high or low-temperature dishwashing machines.

✓HI & LOW TEMP MACHINES ✓LOW FOAMING ✓LIQUID  
✓CFIA APPROVED

Add product to the electronic feed system directly from the shipping container as per the manufacturer's recommendation. Quantity of product required may vary depending on water conditions and soil loads. The recommended concentration range in the wash solution is 0.1 - 0.25%. Food contact surfaces must be rinsed with potable water before reuse.

### Dish Clean LT | 202

#### Low Temperature Commercial Dishwashing Detergent

This low temperature liquid dishwashing detergent is designed for use in commercial machines. With low foam and powerful detergency, this product effectively removes the toughest food particles.

✓LOW TEMPERATURE MACHINES ✓LIQUID ✓CFIA APPROVED

Add product to electronic feed system directly from shipping container as per manufacturer's recommendations. Required amounts may vary depending on water conditions and soil loads. The recommended concentration range in the wash solution is 0.1 - 0.25 %. Food contact surfaces are to be rinsed with potable water before reuse.

### Dish Clean HT | 203

#### High Temperature Commercial Dishwashing Detergent

This high temperature liquid dishwashing detergent is designed for use in commercial machines. With low foam and powerful detergency, this product effectively removes the toughest food particles while the soil suspending and sequestering agents prevent re-deposition.

✓HIGH TEMPERATURE MACHINES ✓LIQUID ✓CFIA APPROVED

Add product to electronic feed system directly from shipping container as per manufacturer's recommendations. Quantity of product required may vary depending on water conditions and soil loads. The recommended concentration range in the wash solution is 0.1 - 0.25 %. Food contact surfaces are to be rinsed with potable water before reuse.

### Chloro Detergent | 223

#### Commercial Chlorinated Dish Detergent

This commercial chlorinated liquid dish detergent is designed for use in waters of high hardness and in average soil load conditions. With low foam and powerful detergency, this product effectively removes the toughest food particles while the soil suspending and sequestering agents prevent re-deposition. It also contains sodium hypochlorite which aids in the removal coffee stains.

✓CHLORINATED DETERGENT ✓LIQUID ✓CFIA APPROVED

Add product to electronic feed system directly from shipping container as per manufacturer's recommendations. Usage levels may vary depending on water conditions and soil loads. The recommended concentration range in the wash solution is 0.1 - 0.25%. Food contact surfaces are to be rinsed with potable water before reuse.

### Formula 2000 | 204

#### Residential Powdered Dish Detergent

This powdered chlorinated dishwashing detergent is designed to provide superior cleaning of dishes in low to moderate water hardness. It is recommended for use in institutions such as schools, nursing homes, hospitals, and restaurants. This product also exhibits exceptional stain control, rinse-ability, and protein and soil removal.

✓POWDERED DISH DETERGENT ✓RESIDENTIAL MACHINES  
✓CFIA APPROVED

Add product to feed system as per manufacturer's recommendations. Quantity of product required may vary depending on water conditions and soil loads. The recommended quantity of product in the wash solution is 0.75 - 1.5 g per L of warm to hot water. Food contact surfaces must be rinsed with potable water before reuse.

## WARE WASH PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Protocol K-252 **Dishwashing Rinse Agent**

Protocol K-252 is a rinse agent designed to enhance sheeting of water in the final rinse of high and low-temperature commercial dishwashers. Made with all biodegradable ingredients, Protocol K-252 rinse additive will eliminate spots on glasses, cutlery, and all other kitchenware.

✓HI & LOW TEMP MACHINES ✓LIQUID ✓CFIA APPROVED

Inject product automatically into the final rinse line of the dishwasher or glass-washer. For optimum results, usage levels should range between 100 - 300 ppm. Concentration may vary due to environmental conditions. Food contact surfaces must be rinsed with potable water before reuse.

#### Nova Rinse LT | 226 | **Low-Temperature Rinse Agent**

This specially designed rinse agent enhances sheeting of water in the final rinse of low-temperature commercial dishwashers. Use this rinse additive to eliminate spots on glasses, cutlery, and all types of kitchen utensils.

✓LOW-TEMPERATURE MACHINES ✓LIQUID ✓CFIA APPROVED

Inject product automatically into the final rinse line of the dishwasher or glass washer. Food contact surfaces are to be rinsed with potable water before reuse.

#### Nova Rinse HT | 227 | **High-Temperature Rinse Agent**

This specially designed rinse agent enhances sheeting of water in the final rinse of high-temperature commercial dishwashers. Use this rinse additive to eliminate spots on glasses, cutlery, and all types of kitchen utensils.

✓HIGH-TEMPERATURE MACHINES ✓LIQUID ✓CFIA APPROVED

Inject product automatically into the final rinse line of the dishwasher or glass washer. Food contact surfaces are to be rinsed with potable water before reuse.

#### Lemon Suds | 206 | **Manual Dish Detergent**

This premium liquid dish detergent is designed for all food service and manual cleaning procedures. It is an excellent choice for washing dishes, glasses, silverware, trays, pots, pans, and utensils. It is very mild to use and features a fresh lemon fragrance.

✓LEMON SCENTED ✓LIQUID ✓CFIA APPROVED

Add product either by electronic feed system or manually as per manufacturer's recommendations. Quantity of product required may vary depending on water conditions and soil loads. The recommended quantity of product in the wash solution is 0.75 - 1.5 mL per L of warm to hot water. Food contact surfaces must be rinsed with potable water before reuse.

#### Protocol K-300i **Cleaner / Degreaser**

Protocol K-300i is a concentrated Ecologo approved and GRA endorsed all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. Protocol K-300i is the most versatile product in the protocol lineup and has proven to be a performance multi-surface cleaner capable of handling daily cleanup in a restaurant environment to a multitude of uses in industrial cleaning applications.

✓CONCENTRATED ✓MULTI-SURFACE ✓RESTAURANTS  
✓ECOLOGO CERTIFIED ✓CFIA APPROVED

Protocol K-300i can be used to clean and degrease kitchen surfaces and equipment. For light-duty day-to-day cleaning of kitchen equipment and countertops, dilute K-300i 1:30 and apply with a brush, sponge or sprayer. Let soak for up to 10 minutes if required then rinse well. For heavy grease dilute 1:10. For cleaning grills and ovens, dilute 1:1. Food contact surfaces must be rinsed with potable water before re-use.

#### Protocol K-650 **Calcium, Rust, and Lime Remover**

Protocol K-650 is an Ecologo certified and GRA endorsed calcium, rust and lime remover. Formulated with organic salts, K-650 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use. K-650 is particularly effective on stone surfaces and any surface that interacts with water on a regular basis, making this a perfect product for kitchen environments.

✓READY TO USE ✓MULTI-SURFACE ✓KITCHENS ✓STONE  
✓STAINLESS STEEL ✓ECOLOGO CERTIFIED ✓CFIA APPROVED

Protocol K-650 can be used to de-scale and brighten metal kitchen surfaces and equipment. Apply K-650 as is to the metal surface (pots, pans, etc) with a cloth or a foaming spray head. Allow to sit for up to 10 min. Some stubborn staining may require agitation. After stains have been removed rinse the metal surface thoroughly. Completely removing K-650 residue is important to prevent corrosion or pitting. Never let metal soak in K-650 for longer than 30min. Food contact surfaces must be rinsed with potable water for re-use.

NOTE: Not Safe for use on marble or limestone.

#### Scale Zero | 208 | **Scale and Oxide Remover**

This phosphoric acid oxide and scale remover is used to quickly remove scale and/or oxidation build-up from a variety of surfaces. It is an excellent choice for re-circulation cleaning of dish machines, removing mineral deposits from coffee makers, ice machines and glassware as well as general removal of hard water mineral deposits.

✓DESCALER ✓HARD WATER SCALE ✓RUST DEPOSITS  
✓CFIA APPROVED

Usage concentration will depend on the amount of scale and the method of application. Descaling Dishwashing Machines: Use 1L of product to 4 L of water. Circulate solution in machine until scale is dissolved (20 - 30 minutes). Drain and rinse machine thoroughly. Glass Washers: Use 60 mL of product per L of water at 50 - 60 °C. Circulate solution for 15 - 30 minutes. Scaled glasses can also be cleaned by this method, using 15 - 30 mL of product per litre of water. For other applications, start with a dilution of 20 - 30 mL of product per litre of water. Stronger solutions may be required for heavier soils. Food contact surfaces must be rinsed with potable water before reuse.



## WARE WASH PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Protocol K-280 **Descaler**

Protocol K-280 is an organic salt based descaler designed to remove hard water scale and rust deposits. K-280 is formulated without detergents to prevent foam build up and film formation. This product is suitable for descaling coffee and tea brewers, soup wells, hot holding inserts, urinals, dishwashers etc.

✓CONCENTRATED ✓COFFEE MACHINES ✓DISHWASHERS  
✓HARD WATER SCALE ✓RUST DEPOSITS

For cleaning new coffee machines to prevent large scale build-up, add 500 mL of K-280 to the reserve water tank and flush the cleaning solution through the system. If the machine permits, allow the solution to sit in the machine for 5-10 min. After sitting, drain the cleaning solution and flush with water until the pH of the water tests neutral with pH test strips. For cleaning heavily scaled coffee machines to remove large scale build-up, add 500 mL of K-280 to the reserve water tank and flush the cleaning solution through the system. If possible, allow the solution to sit in the machine for 5-10 min. After sitting, drain the cleaning solution. If time permits, recycle the spent cleaning solution back through the reservoir to maximize the amount of scale removed. pH strips can be used to test the strength of the cleaning solution. Once the cleaning solution has reached a pH of 4 it is spent. Drain the cleaning solution and flush with fresh water until the pH of the water tests neutral with pH test strips.

#### Scale Zero Plus | **209** | **Heavy Duty Scale & Oxide Remover**

This heavy duty hydrochloric acid based lime, scale, and oxide film remover is designed for the toughest soils at any concentration. It's an economical choice for removal of calcium, magnesium and iron scales in industrial applications. A built-in surfactant allows the acid to penetrate and lift scale deposits when circulating.

✓HEAVY DUTY ✓SCALE & OXIDE ✓CFIA APPROVED

The usage concentration of this product depends on the amount of scale and the method of application. Descaling Dishwashing Machines: Use 1 litre of product to 8 litres of water at 60 - 70 °C. Circulate solution in machine until scale is dissolved (approx 20 - 30 minutes). Drain and rinse machine thoroughly. Glass Washers: Use 20 mL of product per litre of water at 50 - 60 °C. Circulate solution for 15 - 30 minutes. Scaled Glasses: Use 20 - 30 mL of product per litre of water. Rinse thoroughly after descaling. Food contact surfaces must be rinsed with potable water before reuse.

#### Grill, Fryer & Oven Cleaner | **211** | **Grease and Oil Remover**

This heavy-duty alkaline detergent is designed to quickly remove heavy grease, oil, and carbonized soils. Its grease removing components work quickly without the use of abrasives to avoid scratching the surface of equipment. This product removes grease, fats, and burnt on foods from ovens, ranges, grills, broilers, and deep fryers.

✓OVENS ✓RANGES ✓GRILLS ✓BROILERS ✓DEEP FRYERS  
✓CFIA APPROVED

1. Scrape heavy debris from grill surface. 2. Raise or lower temperature to 60 - 80 °C. 3. Spray or pour product on entire grill surface. A 50:50 solution with water is recommended. 4. IMMEDIATELY wipe grill with cloth or non abrasive pad. 5. Flush with a mild acid rinse (vinegar and water). 6. Reprocess grill with cooking oil to prevent sticking. For deep fryers, drain oil and remove food debris. Fill with water up to the grease line. Add 60 - 120 mL of product. Bring to a low boil for 15 - 20 minutes. Cool, brush, drain, and flush. Rinse and neutralize with a mild acid. Food contact surfaces must be rinsed with potable water for reuse.

#### Chloro-San 12 | **212** | **Sanitizer / Destainer**

This quality checked 12% sodium hypochlorite solution is excellent for sanitizing and de-staining in a wide variety of applications including food service, institutional, and health care facilities. This product is buffered for added stability and is very effective in low temperature dish machines.

✓SANITIZER ✓DESTAINER

1. Scrape and pre-soak pots, pans, dishware, and utensils to remove excess soil. 2. Wash in detergent solution. 3. Rinse in clear water. 4. Sanitize in a hypochlorite solution of 30 mL per 20 L of water. Immerse all utensils for at least two minutes. 5. Place sanitized items on a clean sanitized rack or drain board to air dry. For low temperature dish machines use chlorine test strips to establish 100 ppm of chlorine in rinse water.

#### Belchlor 8 | **233** | **Powdered Dry Bleach**

This powdered chlorinated sanitizing agent cleans and deodorizes in a wide variety of applications. It can be used for sanitizing kitchen floors, counters, utensils, farm implements, and other similar surfaces.

✓POWDERED ✓SANITIZER ✓DEODORIZER ✓CFIA APPROVED

Use 3 g of product per L of water to produce a solution with 100 ppm of active chlorine. Use chlorine test strips to establish proper chlorine levels.

#### Scrubby Liquid | **214** | **Liquid Presoak for Utensils**

This liquid detergent is specially designed for pre-soaking silver and stainless steel utensils. It quickly penetrates and loosens food and soil. For specific use in food plants, see directions.

✓LIQUID PRESOAK ✓SILVER ✓STAINLESS STEEL ✓CFIA APPROVED

In a plastic pan, dissolve 10 - 15 mL of product per L of water. Water temperature should be approximately 50 - 60 °C. Place utensils in solution for 10 - 20 minutes. Remove, rinse, and wash in normal manner. Food contact surface must be rinsed with potable water before reuse.

#### Scrubby Powder | **215** | **Powdered Presoak for Utensils**

This powdered detergent is specially designed for pre-soaking silver and stainless steel utensils. It quickly penetrates and loosens food and soil. For specific use in food plants, see directions.

✓POWDERED PRESOAK ✓SILVER ✓STAINLESS STEEL  
✓CFIA APPROVED

In a plastic pan, dissolve 2 - 5 g of product per L of water. Water temperature should be approximately 30 - 45 °C. Place utensils in solution for 10 - 20 minutes. Remove, rinse, and wash in normal manner. Food contact surfaces must be rinsed with potable water before reuse.



# CAR & TRUCK WASH PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Jet Blast | 303 | Car Wash Detergent

This concentrated liquid car and truck wash detergent safely removes dirt, oil, road grime, and haze from all vehicle surfaces. This alkaline detergent produces moderate foam that allows for excellent adhesion to all types of surfaces, thereby aiding in the removal of the toughest soils. Its mild cherry scent and easy rinsing are two additional features that make this detergent a very popular choice for self service high pressure wash applications.

✓LIQUID DETERGENT ✓CHERRY SCENTED ✓RED COLOUR

*For most pressure washer applications, use a dilution ratio of 1 part product to 75 parts water. Use this ratio as a starting point to determine what feed ratio will produce the desired cleaning. Dilutions may vary depending on water conditions and the nature of the soil.*

### Big Red | 501 | Industrial Cleaner / Degreaser

Big Red is a concentrated water based degreaser that is specially designed for fast and effective removal of grease, oil, and dirt. With a unique blend of surfactants and powerful grease-cutting agents, this product quickly penetrates and emulsifies grease and oil from most surfaces. This product may be used in a broad spectrum of applications in various industries, including: garages, factories, industrial shops, and warehouses.

✓LIQUID DETERGENT ✓HEAVY DUTY ✓INDUSTRIAL APPLICATIONS

*For heavy-duty cleaning, dilute 1 part product to 6 parts water (160 mL to 1L). For general cleaning, dilute 1 part product to 20 parts water (50 mL to 1L). For pressure washing, dilute 1 part product to 100 parts water (5 mL to 1L). Spray or wipe onto surface. Rinse completely with water.*

### Target HF | 304 | Car Wash Detergent

This high foaming, cherry scented liquid car and truck wash detergent is a complex formulation of surfactants and detergent builders that safely and effectively removes dirt, oil, road grime, and haze. It produces rich foam that adheres to all types of surfaces thereby aiding in the removal of the toughest soils.

✓LIQUID DETERGENT ✓CHERRY SCENTED ✓HIGH FOAMING

*For most pressure washer applications, use a dilution ratio 1 part product to 100 parts water. Use this ratio as a starting point to determine what feed ratio will produce the desired cleaning. Dilutions may vary depending on water conditions and the nature of the soil.*

## CAR & TRUCK WASH PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Uniblast | 316 | Heavy Duty Degreaser

This alkaline powdered car wash detergent is a unique blend of water conditioning agents and biodegradable surfactants. It is extremely effective at removing dirt, oil, and road film. It works well in either hard or soft water. This product is safe on all painted surfaces and car wash equipment.

✓POWDERED DETERGENT ✓HEAVY DUTY

For most applications, use 2 g of product per L of water. For most effective results, use with soft, hot water. For wand wash application, prepare a stock solution by dissolving 20 kg of product in 205 L of water. Using a proportioning device, this stock solution can be metered in the detergent tank. A starting ratio for the detergent tank is 1 part stock solution to 50 parts water. This ratio may vary depending on water conditions and nature of the soil.

#### Protocol K-300i Cleaner / Degreaser

Protocol K-300i is a concentrated Ecologo approved product and is suitable for removing dirt, oil and grease from a wide variety of surfaces. Since K-300i does not utilize butyls, phosphates or highly caustic chemicals it is safe to use and safe for the environment. From restaurant cleaning to pressure washing drilling rigs, the versatility of K-300i is unmatched.

✓MULTI-SURFACE DEGREASER ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

For interior detailing, dilute Protocol K-300i 1:30. Apply to the surface with a soft cloth or a foaming sprayer and wipe away with a clean damp cloth. Avoid atomizing Protocol K-300i in confined spaces. For bucket washing a vehicle exterior, dilute Protocol K-300i 1:50. Apply with a soft cloth, mitt or brush. Use gloves, if applying by hand, to prevent dry skin. Rinse well and do not allow product to dry on the surface of the vehicle. For pressure washing, start with a dilution of 1:80 and adjust from there. Rinse well after applying. Please refer to our dilution chart for more information.

#### Protocol K-301 Heavy Duty Cleaner / Degreaser

Protocol K-301 is a highly concentrated heavy duty cleaner/degreaser designed to tackle the toughest soil loads. As a concentrated multi-purpose cleaner, K-301 outperforms traditional products in the harshest conditions while being environmentally friendly.

✓MULTI-PURPOSE ✓HEAVY DUTY ✓ENVIRONMENTALLY FRIENDLY  
✓CFIA APPROVED

For interior detailing, dilute Protocol K-301 1:30. Apply to the surface with a soft cloth or a foaming sprayer and wipe away with a clean damp cloth. Avoid atomizing Protocol K-301 in confined spaces. For bucket washing a vehicle exterior, dilute Protocol K-301 1:50. Apply with a soft cloth, mitt or brush. Use gloves, if applying by hand, to prevent dry skin. Rinse well and do not allow product to dry on the surface of the vehicle. For pressure washing, start with a dilution of 1:80 and adjust from there. Rinse well after applying. Please refer to our dilution chart for more information.

#### Orange APC | 345 | Cleaner / Degreaser

Orange APC is a concentrated degreaser that is designed to remove oils and soils from a variety of surfaces. It uses readily biodegradable detergents and powerful builders to dissolve and loosen tough soil for easier removal.

✓TANGERINE SCENTED ✓MULTI-SURFACE ✓ALL PURPOSE CLEANER

For light duty cleaning, dilute Orange APC 1:50. For heavy duty cleaning dilute 1:10. Wipe or spray diluted product on to the surface with low pressure spray. Let sit for 5-10 minutes. Agitate with a cloth, soft brush, or sponge if needed. Rinse with high pressure water spray. Do not let product dry on the surface of the vehicle. Rinse well.

#### Protocol K-370 Chrome & Stainless Steel Cleaner

Protocol K-370 is an organic salt based chrome and stainless steel cleaner designed to eliminate rust and calcium deposits. Protocol K-370 can be used alone or as a presoak in a two stage wash system. The organic salts used in Protocol K-370 act like hydrochloric acid without the safety hazards.

✓TANGERINE SCENTED ✓MULTI-SURFACE ✓ALL PURPOSE CLEANER

For normal cleaning jobs, apply Protocol K-370 at a ratio of 1:10 (K-370:water). Let sit for 2-5 min then rinse with a pressure washer. For a greater effect, brush the solution on as the agitation will increase the cleaning. Ensure to rinse thoroughly, as with any other acid, Protocol K-370 is corrosive to aluminum and can still cause damage after long periods of exposure. For heavy rust or calcium scale use 1:5. This product can also be used straight to etch concrete.

#### Protocol K-390 Aluminum Brightener

This hydrofluoric acid (HF) free aluminum brightener is designed with cutting edge technology that eliminates the requirement for HF. It uses a low toxicity organic salts specially designed to remove dirt, grime, and oxidation from aluminum surfaces leaving them bright and clean.

✓ALUMINUM ✓HYDROFLUORIC ACID FREE ✓ORGANIC SALT BASED

For standard cleaning, dilute 10:1 and apply to aluminum surface. This product takes longer than HF to act, but this allows for more control and is less prone to burning the metal. Rinse after a few minutes of contact time. To remove stains caused by overuse of HF, use this product straight followed by a rinse. DO NOT apply this product through a high temperature pressure washer like a Hotsy.

#### Protocol K-651 Heavy Duty Calcium, Rust & Lime Remover

Protocol K-651 is a low pH cleaner made from an organic salt/surfactant blend designed to quickly penetrate calcium carbonate, lime, rust, and other everyday soils. K-651 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use.

✓READY TO USE ✓DESCALER ✓HEAVY DUTY ✓MULTI-SURFACE  
✓CFIA APPROVED

Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-651:Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES.





## CAR & TRUCK WASH PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Acid Blast | 308 | Presoak

*This product can be diluted at a ratio of 80 to 100:1.*

This product utilizes a powerful inorganic acid and biodegradable detergents that attack and loosen soil and road film while being mild on paint and metal. This product is designed to be used as the low pH presoak in car wash systems.

✓LOW PH ✓PRESOAK

#### Foam Blast | 309 | Foam Brush Detergent

*This product may be applied manually using a foam brush with a recommended starting dilution of 1:500.*

This extremely concentrated, high-foaming liquid is designed to produce rich dense foam in foam brush applications for self serve car washes. The cherry scented foam offers an excellent experience for customers while rinsing off easily.

✓CONCENTRATED ✓HIGH FOAMING ✓CHERRY SCENTED

#### Pro Auto Acid Presoak | 330

*This product can be diluted at a ratio of 80 to 100:1.*

#### Automatic Car Wash Presoak

This product utilizes powerful organic salts and biodegradable detergents that attack and loosen soil and road film while being mild on paint and metal. This product is designed to be used as the first step in automatic car wash systems.

✓LOW PH ✓ORGANIC SALT BASED ✓AUTOMATIC CAR WASH SYSTEMS

#### Pro Auto High pH | 335 | Automatic Car Wash Detergent

*This product should be diluted at a ratio of 55:1.*

This powerful high pH car wash detergent is designed to be used as the second step in automatic car washes. It utilizes powerful, biodegradable detergents and excellent sequestering and anti-redeposition agents that effectively remove dirt and road film.

✓LIQUID DETERGENT ✓HIGH PH ✓AUTOMATIC CAR WASH SYSTEMS

## CAR & TRUCK WASH PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Auto Dry Finish Wax | 365 | Automatic Car Wash Wax

This product is a concentrated drying agent for use in hot and cold water applications in any automatic car wash or wand wash facility. It contains a stable blend of waxes, solvents, and emulsifiers which result in a shiny water repellent finish.

✓HOT & COLD WATER READY ✓AUTOMATIC CAR WASH SYSTEMS

*This product is added in the wax or rinse cycle of the wash program. It can be diluted manually or through a metering system. Usually, 40 -100 mL of product per car is sufficient for water removal. An additional 30 mL per car will provide added lustre. For high volume arches, start with a dilution of 1 part product to 350 parts water. For low volume arches, start with 1 part product to 250 parts water. For self service, start with 1 part product to 300 parts water. Different concentrations should be evaluated to determine the best results since the quantity of product needed may vary with different water sources.*

#### Poly-Glo Red | 366 | High Foaming Wax

This high performance foaming wax is a unique blend of synthetic polymer waxes which deliver the ultimate in lustre and show. It produces vibrant red foam when applied through a foaming arch.

✓HIGH PERFORMANCE ✓HIGH FOAMING ✓RED COLOUR

*This product is added through a foaming arch or on a foaming cycle using a foam generator unit. It can be diluted manually or through a metering system. For automatic wash systems use 5 - 7 mL of product per car. For wand wash systems, start with a dilution ratio of 1:30 and adjust ratio until desired result is achieved.*

#### Poly-Glo Blue | 367 | High Foaming Wax

This high performance foaming wax is a unique blend of synthetic polymer waxes which deliver the ultimate in lustre and show. It produces vibrant blue foam when applied through a foaming arch.

✓HIGH PERFORMANCE ✓HIGH FOAMING ✓BLUE COLOUR

*This product is added through a foaming arch or on a foaming cycle using a foam generator unit. It can be diluted manually or through a metering system. For automatic wash systems use 5 - 7 mL of product per car. For wand wash systems, start with a dilution ratio of 1:30 and adjust ratio until desired result is achieved.*

#### Poly-Glo Green | 368 | High Foaming Wax

This high performance foaming wax is a unique blend of synthetic polymer waxes which deliver the ultimate in lustre and show. It produces vibrant green foam when applied through a foaming arch.

✓HIGH PERFORMANCE ✓HIGH FOAMING ✓GREEN COLOUR

*This product is added through a foaming arch or on a foaming cycle using a foam generator unit. It can be diluted manually or through a metering system. For automatic wash systems use 5 - 7 mL of product per car. For wand wash systems, start with a dilution ratio of 1:30 and adjust ratio until desired result is achieved.*

#### Acid Wash Conc | 312 | Cement Cleaner

This concentrated acidic detergent effectively attacks cement to destroy its binding qualities on mixers and truck surfaces. It contains acid inhibitors to protect painted metal surfaces when applied to concrete deposits.

✓CEMENT ✓CONCRETE

*For most applications, dilute 1 part product with 20 parts water. Apply solution to the surface and rinse thoroughly with water. IMPERMEABLE GLOVES, FOOTWEAR AND CHEMICAL GOGGLES MUST BE WORN AT ALL TIMES WHEN USING THIS PRODUCT.*

#### Tire Shine | 320 | Tire Dressing

Tire Shine is a solvent based silicone tire dressing. Once applied, it will leave tires looking shiny and new.

✓TIRES ✓RUBBER SURFACES

*Make sure to remove any heavy dirt or debris from the tire being treated. Spray the dressing on to a clean rag and wipe on to the surface of the tire. To help prevent sling, make sure all excess product is wiped away. Avoid overspray on painted surfaces.*



# FLOOR CARE PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-300i **Daily Floor Cleaner / Degreaser**

Protocol K-300i is a concentrated Ecologo approved and GRA endorsed all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. Protocol K-300i is the most versatile product in the protocol lineup and has proven to be a performance multi-surface cleaner capable of handling daily damp mopping in a restaurant environment to a multitude of uses in industrial applications.

✓CONCENTRATED ✓MULTI-SURFACE ✓BUILDING MAINTENANCE  
✓RESTAURANTS ✓INDUSTRIAL ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

Apply with a sprayer, sponge, pressure washer, mop or brush. Let stand for 10-30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-300i:Water): Light soils: 1:80, Medium soils: 1:40, Heavy soils 1:20. Please refer to our dilution chart for more detailed information.

### Protocol K-400 **Neutral Floor Cleaner**

Protocol K-400 is an Ecologo certified, pH neutral floor cleaner that utilizes a biodegradable, naturally derived surfactant system. This concentrated product efficiently removes black marks and day-to-day soils without damaging existing floor finishes.

✓CONCENTRATED ✓NEUTRAL PH ✓EASY ON FLOOR FINISH  
✓ECOLOGO CERTIFIED ✓CFIA APPROVED

For automatic scrubbers, use 7 mL of product per L of water (dilution 1:160). For mopping and general cleaning, use 10 mL of product per L of water (dilution 1:100).

### Best Tek Cherry | 415 | **Neutral Floor Cleaner**

This cherry scented neutral floor cleaner quickly emulsifies grease and oil while efficiently removing dirt, black heel marks, and other stains on resilient tiles or terrazzo floors. It will not mar, damage, or dull existing floor finish.

✓CONCENTRATED ✓NEUTRAL PH ✓EASY ON FLOOR FINISH

For automatic scrubbers, use 12.5 mL of product per L of water (dilution 1:80). For mopping and general cleaning, use 20 mL of product per L of water (1:50).

### Protocol K-651 **Heavy Duty Tile, Stone Grout Cleaner**

Protocol K-651 is a heavy duty tile, stone and grout cleaner made from an organic salt/surfactant blend designed to quickly penetrate dirt, oil, grease, calcium carbonate, lime, and other everyday soils. K-651 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use.

✓READY TO USE ✓HEAVY DUTY ✓TILE ✓STONE ✓GROUT  
✓CFIA APPROVED

Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-651:Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES. Please refer to our dilution chart for more detailed information.



## FLOOR CARE PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Formula 2000 Stripper | 409 | Wax Stripper

This mop on mop off non-ammoniated heavy duty floor finish remover contains a blend of active solvents and emulsifiers that quickly penetrate and strip old wax and floor finish in manual or mechanical stripping applications.

✓NON-AMMONIATED ✓MULTI-SURFACE STRIPPER ✓HEAVY DUTY

Clean floor of excess soil. Add recommended amount of product to warm water and apply generously. Allow solution to work for 3-5 minutes or longer depending on build-up. Agitate with a hand tool or floor machine. Make sure to keep the floor wet. Pickup emulsified finish. Rinse with clean water. Neutralize if necessary. For light build-up, dilute 1 part stripper with 15 parts water. For medium build-up, dilute 1 part stripper with 10 parts water. For heavy build-up, dilute 1 part stripper with 3 parts water.

#### Industrial Vinegar | 620 | Alkali Neutralizer

This 6% acetic acid solution can be used as a neutralizer for floor strippers and in other areas where a mild acidic solution is required.

✓NEUTRALIZER

For most applications 60 - 90 mL of product per 4 L of water can be used. Stronger solutions may be required depending on the application.

#### Protocol K-451 Floor Finish

Protocol K-451 is a superior floor finish that meets all environmental standards while providing maximum protection and durability to newly stripped floors. A high solids content allows for fewer applications of K-451 compared to most floor finishes, while exhibiting outstanding recoat-ability, high off the mop gloss, and good buff or burnish response.

✓LOW ODOUR ✓HIGH SOLIDS CONTENT  
✓OUTSTANDING RECOAT ABILITY

Floor preparation and application: If floor needs stripping use recommended stripper as directed. If floor is in good condition, ensure floor is thoroughly clean and dry. Apply a thin, uniform coat of product using a clean string mop or applicator. On newly stripped floors, several coats of finish may be required to obtain desired gloss. Allow 30 minutes drying time between coats. Apply 3-4 coats for optimal gloss and durability. Maintenance: Dry mop floors daily. Dampen mop with a neutral floor cleaner. Spray buffing several coats will improve gloss and durability. Optimum gloss and durability can be achieved by burnishing with high speed machines.

#### Vectane HTF | 405 | Floor Finish

This durable, APE FREE, high-traffic finish is designed for scrub and burnish programs. This product is designed to provide maximum protection and durability to newly stripped floors while meeting environmental standards. It seals and finishes in one operation, eliminating the need for prior sealing. Other finishes with lower solid contents can offer neither the high gloss nor the protective properties of this product.

✓APE FREE ✓HIGH TRAFFIC FINISH ✓HIGH GLOSS

Floor preparation and application: If floor needs stripping use recommended stripper as directed. If floor is in good condition, ensure floor is thoroughly clean and dry. Apply a thin, uniform coat of product using a clean string mop or applicator. On newly stripped floors, several coats of finish may be required to obtain desired gloss. Allow 30 minutes drying time between coats. Apply 3-4 coats for optimal gloss and durability. Maintenance: Dry mop floors daily. Dampen mop with a neutral floor cleaner. Spray buffing several coats will improve gloss and durability. Optimum gloss and durability can be achieved by burnishing with high speed machines.





# HEAVY INDUSTRIAL CLEANERS

PRODUCT NAME / No. / DESCRIPTION

PRODUCT DIRECTIONS

## Protocol K-300i Cleaner / Degreaser

Protocol K-300i is a concentrated Ecologo approved product and is suitable for removing dirt, oil and grease from a wide variety of surfaces. Since K-300i does not utilize butyls, phosphates or highly caustic chemicals it is safe to use and safe for the environment. From restaurant cleaning to pressure washing drilling rigs, the versatility of K-300i is unmatched.

✓MULTI-SURFACE DEGREASER ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

*As a rig wash, dilute K-300i 1:30. Apply with a pump-up sprayer, pressure washer or deck brush. Agitate and remove with high-pressure water spray if possible. To use as a parts washer, fill a basin with a 1:10 solution of K-300i and soak greasy parts. Because K-300i is a waterbased product, ensure cleaned parts are thoroughly dried to prevent flash rusting. For pressure washing applications, apply Protocol K-300i at a starting dilution of 1:100. For circulation cleaning, we recommend a starting dilution of 1:20. Silicone antifoam can be added to control foam production during circulation operations.*

## Protocol K-301 Cleaner / Degreaser

Protocol K-301 is a highly concentrated heavy duty cleaner/degreaser designed to tackle the toughest soil loads. As a concentrated multi-purpose cleaner, K-301 outperforms traditional products in the harshest conditions while being environmentally friendly.

✓MULTI-PURPOSE ✓HEAVY DUTY ✓ENVIRONMENTALLY FRIENDLY  
✓CFIA APPROVED

*Protocol K-301 can be used for a variety of Heavy Industrial cleaning applications. As a rig wash, dilute K-301 1:30. Apply with a pump-up sprayer, pressure washer or deck brush. Agitate and remove with high-pressure water spray if possible. To use as a parts washer, fill a basin with a 1:10 solution of K-301 and soak greasy parts. Because K-301 is a waterbased product, ensure cleaned parts are thoroughly dried to prevent flash rusting. For pressure washing applications, apply Protocol K-301 at a starting dilution of 1:100. For circulation cleaning, we recommend a starting dilution of 1:20. Silicone antifoam can be added to control foam production during circulation operations.*

## Protocol K-651 Heavy Duty Calcium, Rust & Lime Remover

Protocol K-651 is a low pH cleaner made from an organic salt/surfactant blend that is designed to quickly penetrate dirt, oil, grease, calcium carbonate, lime, rust, and other everyday soils. K-651 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use. A built-in surfactant allows the product to penetrate and lift scale deposits when circulating.

✓READY TO USE ✓HEAVY DUTY ✓MULTI-SURFACE ✓TILE  
✓STONE ✓GROUT ✓CFIA APPROVED

*Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-651:Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES. Please refer to our dilution chart for more detailed information.*

## Big Red | 501 | Industrial Cleaner / Degreaser

Big Red is a concentrated water based degreaser that is specially designed for fast and effective removal of grease, oil, and dirt. With a unique blend of surfactants and powerful grease-cutting agents, this product quickly penetrates and emulsifies grease and oil from most surfaces. This product may be used in a broad spectrum of applications in various industries, including: garages, factories, industrial shops, and warehouses.

✓LIQUID DETERGENT ✓HEAVY DUTY ✓INDUSTRIAL APPLICATIONS

*For heavy-duty cleaning, dilute 1 part product to 6 parts water (160 mL to 1L). For general cleaning, dilute 1 part product to 20 parts water (50 mL to 1L). For pressure washing, dilute 1 part product to 100 parts water (5 mL to 1L). Spray or wipe onto surface. Rinse completely with water.*

## HEAVY INDUSTRIAL CLEANERS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Citrasolve | 505

##### Citrus Based Industrial Cleaner / Degreaser

This heavy duty citrus based solvent degreaser is designed for cleaning shop floors, heavy equipment, and parts. This unique blend of surfactants and terpene solvents is widely used by road construction crews and oilfield workers for the removal of crude oil, tar, asphalt, grease and other soils from pumps and equipment.

✓CITRUS BASE ✓OIL ✓TAR ✓ASPHALT ✓GREASE

*Apply this product to the surface with a low pressure pump sprayer, brush, or mop. Let stand for 3 - 5 minutes. If available, rinse surface with a high pressure washer or hot steam system. Use in well ventilated areas.*

#### SciSolve HD | 514

##### Solvent Based Industrial Degreaser

SciSolve HD is a heavy duty hydrocarbon solvent degreaser for cleaning grease, oil and tar off of shop floors, heavy equipment, and parts. This unique blend of surfactants and hydrocarbon solvents is widely used in the oil industry for the removal of crude oil, bitumen and other soils from pumps, process equipment, gauges and service equipment.

✓SOLVENT DEGREASER ✓HEAVY DUTY

*Apply product to surface by low pressure pump sprayer, brush, or mop. Let stand for 3 - 5 minutes. It is recommended that the surface then be rinsed with a high pressure washer or hot steam pressure system. Use in well ventilated areas.*

#### Gum & Tar Remover | 551

##### Solvent Based Gum & Tar Remover

This extremely concentrated, heavy duty, citrus based solvent cleaner is designed for removing gum and tar from hard surfaces and many kinds of fabrics. For specific use in food plants, see directions.

✓HEAVY DUTY ✓GUM & TAR

*Apply product directly onto spot, agitating if necessary. Rinse thoroughly after use. Always test in an inconspicuous area for compatibility.*







# ALL PURPOSE CLEANERS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-300 **All Purpose Cleaner**

Protocol K-300 is an all purpose cleaner designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. K-300 is a ready to use product and exhibits exceptional performance in many different environments from restaurants to schools, while being GRA endorsed and Ecologo certified.

✓READY TO USE ✓MULTI-SURFACE ✓RESTAURANTS  
✓BUILDING MAINTENANCE ✓ECOLOGO CERTIFIED

Apply solution using a sprayer, sponge, pressure washer, or brush. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-300: Water): Light soil - 1:10, Medium soil - 1:5, Heavy soil - use undiluted. Please refer to our dilution chart for more detailed information. Food contact surfaces must be rinsed with potable water before reuse.

### Protocol K-650 **Calcium, Rust, and Lime Remover**

Protocol K-650 is an Ecologo certified and GRA endorsed calcium, rust and lime remover. Formulated with organic salts, K-650 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use. K-650 is particularly effective on stone surfaces and any surface that interacts with water on a regular basis, making this a perfect product for kitchen and bathroom environments.

✓READY TO USE ✓MULTI-SURFACE ✓BATHROOMS  
✓KITCHENS ✓STONE ✓STAINLESS STEEL ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-650: Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust, and calcium build-up: use undiluted. RINSE THOROUGHLY FROM ALL SURFACES. Food contact surfaces must be rinsed with potable water before reuse. Please refer to our dilution chart for more detailed information. **NOTE: Not Safe for use on marble or limestone.**

### Protocol K-671 **Toilet Bowl Cleaner**

Protocol K-671 is a low pH toilet bowl cleaner made from an organic salt surfactant blend, designed to quickly penetrate urine, calcium, lime, rust, and other toilet bowl soils. This unique blend of organic surfactants and organic salts performs exceptionally well and is an excellent alternative to acid based bowl cleaners.

✓READY TO USE ✓LOW PH ✓TOILETS ✓URINALS

For general cleaning, use 60 - 70 mL of product per toilet bowl. Higher dosages may be required depending on amount of soil to be removed.

### Pro Bowl | **604** | **Toilet Bowl Cleaner**

This powerful 24% hydrochloric acid based cleaner is designed for routine cleaning of ceramic toilet bowls and urinals. It effectively removes heavy lime, rust, scum, and common organic soils that are commonly present. This product controls odour by removing lime and mineral film which can clog flush or spray openings.

✓READY TO USE ✓LOW PH ✓CERAMIC TOILETS ✓CERAMIC URINALS

Due to the corrosive nature of this product, appropriate PPE must be worn at all times. To clean and sanitize toilet bowls and urinals, remove water from bowl by forcing it over the trap using a swab mop. Saturate mop with cleaner to wet all surfaces thoroughly. It is important to swab under rim of bowl or urinal to clean water outlets. Allow cleaner to sit for at least 10 minutes until rust, scale and stains are loosened. Rinse by flushing.

## ALL PURPOSE CLEANERS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Slick | 605 | Scale & Oxide Washroom Cleaner

This phosphoric acid washroom cleaner is designed to quickly and effectively remove uric encrustation, organic waste deposits, iron stains, hard water scale and other soils from toilets, urinals, shower stalls and other related surfaces. This product eliminates odours by removing the source of bacteria growth. It has a pleasant cherry scent and is designed for use in institutions, hospitals, clinics, food handling establishments and locker rooms.

✓READY TO USE ✓LOW PH ✓CHERRY SCENTED  
✓ALL WASHROOM SURFACES

For light soils and general maintenance cleaning, dilute 1 part product to 10 parts water. Apply solution onto surface and let stand for 2 - 4 minutes. Rinse thoroughly with water. For medium soil loads, dilute 1 part product to 5 parts water. Apply solution onto surface and let stand for 2 - 4 minutes. Rinse thoroughly with water. When soil build-up is heavy, use product undiluted.

#### Drain Power | 615 | Drain Opener

This potent sulfuric acid liquid drain cleaner is used for opening clogged drains and keeping them open. It is concentrated, convenient to use and will not attack polished surfaces. This product goes to work immediately on all waste and debris clogging drains. Proper safety precautions must be followed when using this product.

✓LOW PH ✓POLISHED SURFACE FRIENDLY ✓DRAINS

Use 250 mL of product for initial treatment. If a second application is required, repeat initial treatment. Due to the corrosive nature of this product, appropriate PPE must be worn at all times. DO NOT MIX WITH ANY OTHER CHEMICAL COMPOUNDS. When working with metal pipes, dilute 2:3 (acid:water) by weight, ie 220 mL of acid into 600mL of water. When diluting, always slowly add the acid to water. Be aware that heat will be generated and if acid is added too quickly, bubbling and splashing can occur. Never add water directly to acid.

#### Porta Cleanz | 618 | Odour Control For Portables

This concentrated, cherry scented liquid sanitizer/deodorizer is designed for use in portable toilets in RV's, buses, and porta potties at camp and construction sites. This product is easily dispersed through any system to eliminate odours at the source.

✓CONCENTRATED ✓CHERRY SCENTED ✓SANITIZER ✓DEODORIZER

For treatment solution, dilute product 30 - 60 mL per 4.5 L of water (1-2 oz / Gal).

#### Protocol K-280 Descaler

Protocol K-280 is an organic salt based descaler designed to remove hard water scale and rust deposits. K-280 is formulated without detergents to prevent foam build up and film formation. This product is suitable for descaling coffee and tea brewers, soup wells, hot holding inserts, urinals, dishwashers etc.

✓CONCENTRATED ✓COFFEE MACHINES ✓DISHWASHERS  
✓HARD WATER SCALE ✓RUST DEPOSITS

To protect the color and finish of metal surfaces, Protocol K-280 must be diluted before using. Protocol K-280 can be used to brighten metal and remove hard water stains from a variety of surfaces. Dilute K-280 1:10 for light-duty and 1:5 for heavy-duty cleaning. Apply with a sponge or a cloth. Do not mist the product with a spray head. Apply the diluted K-280 to the surface and agitate with a brush or a cloth. Let sit for up to 10 minutes. Rinse thoroughly after using it. Completely removing K-280 residue is important to prevent corrosion or pitting of metal surfaces. Not safe for use on calcium-based stone such as marble or limestone. Spot test before using it. **NOTE: Not Safe for use on marble or limestone.**

#### OS-100 | S007 | Hydrochloric Acid Replacement

This product is a pure solution of organic salts. It can be used for a variety of descaling and rust cleaning operations as a replacement for hydrochloric acid. OS-100 can also be used to replace HCl in acid fracturing operations. OS-100 is readily biodegradable and non-corrosive to skin and mild steel. Suitable for use on rust, calcium and magnesium scales.

✓ACID REPLACEMENT ✓HEAVY DUTY DESCALING  
✓ORGANIC SALT SOLUTION

Although this product is classified as corrosive, it is only corrosive to aluminum. It is not corrosive to skin or mild steel. The optimal concentration for descaling is 40% active. This product can be streamed into a closed loop system for descaling purposes. **NOTE: Not Safe for use on marble or limestone.**

#### Liqui-Zyme | 621 | Organic Waste Degradator

Liqui-Zyme is a liquid, cherry scented concentrate of specially selected bacterial strains and free enzymes which actively work to degrade organic waste and suppress odours present in floor drains, shower drains, urinals, grease traps and other problem areas. This product aggressively accelerates the conversion of organic material into soluble compounds and prevents build ups and clogged drains. 100% biodegradable.

✓READY TO USE ✓DRAINS & URINALS ✓ODOUR SUPPRESSANT  
✓CHERRY SCENTED ✓CFIA APPROVED

This product is ready to use and contains 100 billion bacteria count per gallon. Initial shock treatment and daily application will depend upon the size of the system and the type of waste. Shake well before using.

## ALL PURPOSE CLEANERS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Eliminator 125 | 601 | Disinfectant & Cleaner

DIN Registered. This lemon scented, quaternary ammonium chloride based detergent/disinfectant is designed for use as a disinfectant in hospitals, nursing homes, schools, restaurants and food processing plants. With greater dilution, Eliminator 125 is equally effective as a sanitizer for restaurants, dairies, food processing plants and bars. This product deodorizes those areas which are generally difficult to keep fresh smelling, such as garbage bins, toilet bowls, and any other areas prone to odours caused by microorganisms.

✓CONCENTRATED ✓DISINFECTANT ✓DIN REGISTERED ✓DEODORIZER

**DISINFECTION:** Add 8 mL per L of water (1:125) for disinfecting hard non-porous surfaces. Apply with a mop or sponge. For toilet bowls, add 40 mL of product to the bowl. Allow to sit for 10 minutes before rinsing or flushing. Food contact surfaces must be rinsed with potable water before reuse. **SANITATION:** Prepare a 200 ppm solution by adding 2.23 mL to 1 L of water. Apply with a mop or sponge. Let sit for at least 60 seconds before removing. Prepare a fresh solution for each use. **MILDEWSTAT:** To control mildew on non-porous surfaces, add 8 mL to 1 L of product. Apply with a mop or sponge and let air dry. Apply weekly intervals or when mildew growth reappears. Prepare a fresh solution for each use.

#### Eliminator 42 | 602 | Disinfectant & Cleaner

DIN Registered. This lemon scented, quaternary ammonium chloride based detergent/disinfectant is designed for use as a disinfectant in hospitals, nursing homes, schools, restaurants and food processing plants. With greater dilution, Eliminator 42 is equally effective as a sanitizer for restaurants, dairies, food processing plants and bars. This product deodorizes those areas which are generally difficult to keep fresh smelling, such as garbage bins, toilet bowls, and any other areas prone to odours caused by microorganisms.

✓CONCENTRATED ✓DISINFECTANT ✓DIN REGISTERED ✓DEODORIZER

**DISINFECTION:** Add 23.5 mL per L of water (1:42) for disinfecting hard non-porous surfaces. Apply with a mop or sponge. For toilet bowls, add 40 mL of product to the bowl. Allow to sit for 10 minutes before rinsing or flushing. Use a pre-cleaning step on heavily soiled areas. Food contact surfaces must be rinsed with potable water before reuse. **SANITATION:** Prepare a 200 ppm solution by adding 25 mL to 4 L of water. Apply with a mop or sponge. Let sit for at least 60 seconds before removing. Prepare a fresh solution for each use. No potable rinse is required when using as a sanitizer. **MILDEWSTAT:** To control mildew on non-porous surfaces, add 23.5 mL to 1 L of product. Apply with a mop or sponge and let air dry. Apply weekly intervals or when mildew growth reappears. Prepare a fresh solution for each use.

#### Eliminator DS | 600 | Disinfectant & Cleaner

Eliminator DS is a broad spectrum virucide expected to inactivate SARS-CoV-2 (the virus that causes COVID-19). It also kills many bacteria and fungi. Eliminator DS is designed specifically as a general non-acid cleaner and disinfectant for use in hospitals, nursing homes, schools, hotels, and restaurants as well as for use in industrial and institutional food processing establishments, kennels, veterinarians, and animal hospitals. It is formulated to disinfect hard non-porous, inanimate surfaces such as floors, walls, metal surfaces, stainless steel surfaces, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, and cabinets

✓DISINFECTANT ✓DIN REGISTERED ✓READY TO USE

**DISINFECTION:** Remove heavy soil prior to application of Eliminator DS. Hold container 15-20 cm from surface to be treated. Spray until area is covered with solution. Allow Eliminator DS to penetrate and remain wet for 10 minutes. No scrubbing is necessary. Wipe off with a clean cloth, mop, or sponge. This product will not leave grit or soap scum.

#### Peroxi 3 RTU | 636 | Cleaner / Sanitizer

This hydrogen peroxide cleaner/sanitizer can be used to clean non-porous, hard surfaces such as glass, stainless steel, tile, grout, bathroom surfaces, countertops and floors. It can also be used as a carpet extraction pre-spray and spot remover.

✓READY TO USE ✓SANIZER ✓NON-POROUS SURFACES  
✓CFIA APPROVED

For use in food plants, see directions. For light cleaning, use a solution of 1 part product to 10 parts water. For medium cleaning, use a solution of 1 part product to 5 parts water. For heavy cleaning, use undiluted. For cleaning carpets and light spot care, use a solution of 1 part product to 5 parts water. Soak spot, let sit for 10 minutes, and then blot excess. For heavy spot care, use a solution of 1 part product to 10 parts water. Soak spot, let sit 5 - 10 minutes, and then blot with a clean absorbent cloth or extract. For use as a carpet extraction pre-spray or for heavy cleaning, spray (600 ft<sup>2</sup> per L) on carpet, let sit for 10 minutes, then extract with clean water. To sanitize, dilute 1 part product to 4 parts water (30 mL per 1 L water) to create a 1100 ppm solution of hydrogen peroxide. Spray or wipe on to surface and let sit for 3 minutes. Food contact surfaces must be rinsed with potable water before reuse.

#### Citrus APC Foam Boost | 645FB High Foaming Cleaner/Degreaser

Citrus APC is a concentrated foam boosted degreaser that is designed to remove dirt, oil and grease from a variety of surfaces. It uses readily biodegradable detergents and produces rich, dense foam to dissolve and loosen tough soils for easier removal.

✓CONCENTRATED ✓HIGH FOAMING ✓LEMON SCENTED

For light duty cleaning, dilute Citrus APC FB 1:50. For heavy duty cleaning dilute 1:10. Wipe or spray diluted product on to the surface with low pressure spray. Let sit for 5-10 minutes. Agitate with a cloth, soft brush, or sponge if needed. Rinse with high pressure water spray. Do not let product dry on the surface of the vehicle. Rinse well.



## ALL PURPOSE CLEANERS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Peroxi 3 RTU No Rinse | 635 No Rinse Cleaner / Sanitizer

NO RINSE REQUIRED. This product is a ready to use hydrogen peroxide based cleaning and sanitizing solution. It is suitable for cleaning and sanitizing hard non-porous surfaces without a rinsing step. For food plant and other industrial use only.

✓READY TO USE ✓SANITIZER ✓NON-POROUS SURFACES  
✓CFIA APPROVED

Prior to application, ensure all food items are removed or protected from the spray. Pre-clean surfaces with a detergent and rinse with potable water before sanitizing. Apply as is to hard surface to be sanitized. Let sit until dry. The surface must be dry or thoroughly drained before reuse. DO NOT dilute this product. Avoid contamination of food during application and storage.

#### Peroxi 3 | 637 | Cleaner / Sanitizer

This hydrogen peroxide cleaner/sanitizer can be used to clean non-porous, hard surfaces such as glass, stainless steel, tile, grout, bathroom surfaces, countertops and floors. It can also be used as a carpet extraction pre-spray and spot remover.

✓READY TO USE ✓SANITIZER ✓NON-POROUS SURFACES  
✓CFIA APPROVED

For light cleaning, use a solution of 1 part product to 100 parts water. For medium cleaning, use a solution of 1 part product to 50 parts water. For heavy cleaning, use a solution of 1 part product to 10 parts water. For cleaning carpets and light spot care, use a solution of 1 part product to 50 parts water. Soak spot, let sit for 10 minutes, and then blot excess. For heavy spot care, use a solution of 1 part product to 10 parts water. Soak spot, let sit 5-10 minutes, and then blot with a clean absorbent cloth or extract. For use as a carpet extraction pre-spray or for heavy cleaning, spray (600 ft<sup>2</sup> per L) on carpet, let sit for 10 minutes, then extract with clean water. To sanitize, dilute 1 part product to 35 parts water (30 mL per 1 L water) to create a 1100 ppm solution of hydrogen peroxide. Spray or wipe on to surface and let sit for 3 minutes. Food contact surfaces must be rinsed with potable water before reuse.

#### Protocol K-661 Glass Cleaner

Protocol K-661 is an Ecologo certified non-ammoniated glass cleaner designed for fast, thorough cleaning of all glass surfaces. It removes spoils without smudging and with no VOCs, alcohol, glycol ether, this product is an ideal choice for industries where environmental impact is a concern.

✓READY TO USE ✓NON-AMMONIATED ✓ECOLOGO CERTIFIED  
✓CFIA APPROVED

Apply a fine mist on all glass or mirror surfaces. For best results, remove K-661 with a squeegee. If a squeegee is not available, wipe with a clean lint-free cloth or paper towel. Food contact surfaces must be rinsed with potable water before reuse.

#### Vision RTU | 611 | Glass Cleaner

This non-ammoniated, ready to use glass cleaner is designed for fast and thorough cleaning of all glass surfaces. It is excellent for mirrors, glass doors, counters, windows and vending machines. This product removes soils without smudging or smearing.

✓READY TO USE ✓NON-AMMONIATED ✓ALL GLASS SURFACES

Spray onto glass surface and wipe clean with a lint free cloth.

#### Vision Winter | 617 | Winterized Glass Cleaner

This non-ammoniated winterized glass cleaner concentrate is easy to use, non-streaking, and aids in repelling dust and grime from glass surfaces. It removes soil from mirrors, glass doors, windows and vending machines without smudging or smearing.

✓READY TO USE ✓NON-AMMONIATED ✓WINTERIZED

Spray a fine mist on all glass or mirror surfaces. Wipe with a clean lint free cloth or paper towel. This product can be diluted 20:1 with water and used as a regular non-winterized glass cleaner.

#### Vision Conc. | 612 | Concentrated Glass Cleaner

This non-ammoniated, ready to use glass cleaner is designed for fast and thorough cleaning of all glass surfaces. It is excellent for mirrors, glass doors, counters, windows and vending machines. This product removes soils without smudging or smearing.

✓CONCENTRATED ✓NON-AMMONIATED ✓ALL GLASS SURFACES

Dilute Vision Concentrate 1:10 with water. Apply to glass with a spray bottle and wipe clean with a lint free cloth or a squeegee.



# HAIR & BODY CARE PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-750 **Foaming Hand Soap**

This exceptionally mild, Ecologo certified hand soap was designed for use in foaming hand soap dispensers. Protocol K-750 uses ultra mild, readily biodegradable cleaners that are tough on dirt, but mild on skin. Protocol K-750 is not formulated with dyes, fragrances or preservatives that can irritate sensitive skin.

✓ULTRA MILD ✓HYPOALLERGENIC ✓SCENT & DYE FREE  
✓FOAMING SOAP DISPENSER READY ✓ECOLOGO CERTIFIED

*Pour product directly into bulk fill reservoir. This product is designed for foaming hand soap dispensers only. Do not use this product in traditional lotion style dispensers. All food contact surfaces must be rinsed with potable water before reuse. Food handlers must rinse hands with potable water before handling food.*

### Protocol K-751 **Hand Soap**

Protocol K-751 is an ultra-mild hand soap, made from coconut oil emollients that leave hands clean and feeling soft. This product is almond scented and pH balanced for sensitive skin. K-751 is ready to use in all types of liquid soap dispensers.

✓SENSITIVE SKIN FRIENDLY ✓ALMOND SCENTED  
✓LIQUID SOAP DISPENSER READY ✓CFIA APPROVED

*This product is ready to use in all types of liquid soap dispensers. Food handlers must rinse their hands with potable water before handling food products.*

### Protocol K-760 **Lotion Hand Soap**

This exceptionally mild, Ecologo certified hand soap was designed for use in all standard liquid hand soap dispensers. Protocol K-760 moisturizes skin while being tough on dirt and other everyday soils. Protocol K-760 is not formulated with dyes, fragrances or preservatives that can irritate sensitive skin.

✓ULTRA MILD ✓HYPOALLERGENIC ✓SCENT & DYE FREE  
✓LIQUID SOAP DISPENSER READY ✓ECOLOGO CERTIFIED

*Pour product directly into bulk fill reservoir. This product is designed for lotion hand soap dispensers only. Do not use this product in foaming hand soap style dispensers. All food contact surfaces must be rinsed with potable water before reuse. Food handlers must rinse hands with potable water before handling food.*

### Almond Touch **702 Premium Hand Soap**

Almond Touch is a viscous, pink, almond-scented hand soap made from the finest coconut oil emollients that leave hands feeling soft and clean. This silky-smooth formulation lathers instantly and abundantly and is pH-balanced to ensure mildness on sensitive skin.

✓VISCIOUS ✓PINK ✓ALMOND SCENTED ✓PREMIUM

*This product is ready to use in all types of pump or plunger dispensers in lavatories, office buildings, hotels, schools, factories, and restaurants. Food handlers must rinse their hands with potable water before handling food products.*

## HAIR & BODY CARE PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Waterless Hand Cleaner | 703 | Industrial Hand Cleaner

This waterless hand cleaner is formulated without abrasive grits and quickly removes grease, oil, and dirt without drying the skin. It contains high quality emollients that replenish the skin with moisture and a pleasant apple scent to leave hands feeling soft and clean.

✓VISCOUS ✓GREEN ✓APPLE SCENTED  
✓LIQUID SOAP DISPENSER READY

*This product is ready to use in all types of liquid soap dispensers. Food handlers must rinse their hands with potable water before handling food products.*

#### Soft Hands | 715 | Economical Hand Soap

This product is an economical, pearlized, pink, cherry-scented hand cleaner that produces a rich lather and is designed to work in any standard liquid soap dispenser. Made with coconut oil emollients, this hand soap will leave hands feeling soft.

✓PEARLIZED ✓PINK ✓CHERRY SCENTED  
✓LIQUID SOAP DISPENSER READY

*This product is ready to use in all types of liquid soap dispensers.*

#### Tangerine Body Wash | 725 | Hair and Body Shampoo

This viscous, aqua coloured, tangerine scented cleanser is designed to clean the entire body. The rich lather produced by this body wash effectively cleans hair and skin while rinsing away easily. This product is a great choice for use in institutions, hospitals, clinics, locker rooms and shower stalls.

✓AQUA COLOURED ✓TANGERINE SCENTED  
✓LIQUID SOAP DISPENSER READY

*For use in shower, squeeze desired amount of product on to a wet cloth or shower puff. Work into a lather and rinse. This product may also be used in any liquid soap dispenser. To use as a shampoo, apply product to moistened hair. Massage into hair and scalp. Rinse thoroughly with warm water.*

#### Deluxe Hair, Body & Hand Soap | 709 Hair & Body Shampoo

This ultra mild, pearlized, almond scented cleanser is designed for use on the entire body. The rich lather produced by this cleanser effectively cleans hair and skin and rinses away easily. This product is pH balanced for sensitive skin and is a great choice for use in institutions, hospitals, clinics, locker rooms and shower stalls.

✓PEARLIZED ✓ALMOND SCENTED ✓LIQUID SOAP DISPENSER READY

*BODY WASH: Squeeze desired amount of product onto a wet cloth or shower puff. Work into a lather and rinse. HAIR: Massage into hair and scalp. Rinse thoroughly with lukewarm water. This product can be used in any soap dispenser.*

#### Cherry-Apple Hair Shampoo | 708 | Hair Shampoo

This viscous, cherry-apple scented shampoo effectively cleans and nourishes, leaving hair healthy and vibrant.

✓GREEN ✓CHERRY-APPLE SCENTED

*Apply shampoo to moistened hair. Massage into hair and scalp. Rinse thoroughly with warm water.*







# CARPET CARE PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Peroxi 3 | 637 | Cleaner / Sanitizer

This hydrogen peroxide cleaner/sanitizer can be used to clean non-porous, hard surfaces such as glass, stainless steel, tile, grout, bathroom surfaces, countertops and floors. It can also be used as a carpet extraction pre-spray and spot remover.

✓READY TO USE ✓SANITIZER ✓NON-POROUS SURFACES  
✓CFIA APPROVED

*For light cleaning, use a solution of 1 part product to 100 parts water. For medium cleaning, use a solution of 1 part product to 50 parts water. For heavy cleaning, use a solution 1 part product to 10 parts water. For cleaning carpets and light spot care, use a solution of 1 part product to 50 parts water. Soak spot, let sit for 10 minutes, and then blot excess. For heavy spot care, use a solution of 1 part product to 10 parts water. Soak spot, let sit 5 - 10 minutes, and then blot with a clean absorbent cloth or extract. For use as a carpet extraction pre-spray or for heavy cleaning, spray (600 ft<sup>2</sup> per L) on carpet, let sit for 10 minutes, then extract with clean water. To sanitize, dilute 1 part product to 35 parts water (30 mL per 1 L water) to create a 1100 ppm solution of hydrogen peroxide. Spray or wipe on to surface and let sit for 3 minutes.*

### LVP Pre-Treat Carpet | 800 | Carpet Pre-spray

This product is a concentrated carpet pre-treat spray and should be applied to carpets before cleaning with an extraction cleaner. It is made with powerful surfactants, builders and solvents that will help loosen stubborn stains.

✓CONCENTRATED ✓CARPET PRE-TREATMENT ✓STUBBORN STAINS

*Test an inconspicuous area for colorfastness. Only use this product as a pre-treat spray. This product is not meant to be used as an extraction cleaner. Dilute product 1:32 and apply with a sprayer.*

### Extraction Cleaner | 801 | Carpet Extraction Cleaner

This tangerine scented, heavy-duty carpet cleaner is designed for use in hot water extraction equipment. Due to the restricted contact time permitted by extraction cleaning this product is tailored to be extremely fast acting while leaving carpets clean, vibrant and bright.

✓TANGERINE SCENTED ✓FAST ACTING ✓EXTRACTION CLEANING

*For hot water extraction, use 6 - 23 mL of product per L of water in the solution makeup tank. For use in traffic lanes, dilute 125 mL of product with 1 L of water. Spray a fine mist over traffic lanes prior to cleaning. Shake well before using.*

### De-Foamer | 809

#### Extractor Cleaner & Auto Scrubber De-Foamer

This liquid de-foaming agent is designed to keep foam from building up in the recovery tanks of carpet extractors and automatic scrubbing machines. This de-foamer is compatible with all carpet extraction and auto scrubbing machines.

✓CARPET EXTRACTORS ✓AUTO SCRUBBERS

*Shake before use. Turn on vacuum motor. Disconnect hose from wand or squeegee. Pour approximately 28 mL of product into the vacuum hose. Turn off vacuum motor. Open recovery tank and apply approximately 28 mL directly to recovery tank.*



# OIL FIELD PRODUCTS

## PRODUCT NAME / No. / DESCRIPTION

## PRODUCT DIRECTIONS

### Protocol K-300i **Cleaner / Degreaser**

Protocol K-300i is a concentrated, Ecologo approved all purpose cleaner/degreaser designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. Protocol K-300i is the most versatile product in the protocol lineup and has proven to be a performance multi-surface cleaner capable of handling daily cleanup in an industrial environment to cleaning pipelines for reclamation efforts. **Available with Rust Inhibited additive.**

✓CONCENTRATED ✓MULTI-SURFACE ✓INDUSTRIAL  
✓ECOLOGO CERTIFIED ✓CFIA APPROVED

Protocol K-300i can be used for a variety of oilfield cleaning applications. As a rig wash, dilute K-300i 1:30. Apply with a pump-up sprayer, pressure washer or deck brush. Agitate and remove with high-pressure water spray if possible. To use as a parts washer, fill a basin with a 1:10 solution of K-300i and soak greasy parts. Because K-300i is a water-based product, ensure cleaned parts are thoroughly dried to prevent flash rusting. For pressure washing applications, apply Protocol K-300i at a starting dilution of 1:100. For circulation cleaning, we recommend a starting dilution of 1:20. Silicone antifoam can be added to control foam production.

### Protocol K-301 **Heavy Duty Cleaner / Degreaser**

Protocol K-301 is a highly concentrated heavy duty cleaner/degreaser designed to tackle the toughest soil loads. As a concentrated multi-purpose cleaner, K-301 outperforms traditional products in the harshest conditions while being environmentally friendly and 100% biodegradable. **Available with Rust Inhibited additive.**

✓CONCENTRATED ✓MULTI-PURPOSE ✓HEAVY DUTY ✓INDUSTRIAL  
✓CFIA APPROVED

Protocol K-301 can be used for a variety of oilfield cleaning applications. As a rig wash, dilute K-301 1:30. Apply with a pump-up sprayer, pressure washer or deck brush. Agitate and remove with high-pressure water spray if possible. To use as a parts washer, fill a basin with a 1:10 solution of K-301 and soak greasy parts. Because K-301 is a water-based product, ensure cleaned parts are thoroughly dried to prevent flash rusting. For pressure washing applications, apply Protocol K-301 at a starting dilution of 1:100. For circulation cleaning, we recommend a starting dilution of 1:20. Silicone antifoam can be added to control foam production during circulation operations.

### Citrus APC Foam Boost | **645FB** **High Foaming Cleaner/Degreaser**

Citrus APC is a concentrated foam boosted degreaser that is designed to remove dirt, oil and grease from a variety of surfaces. It uses readily biodegradable detergents and produces rich, dense foam to dissolve and loosen tough soils for easier removal.

✓CONCENTRATED ✓HIGH FOAMING ✓LEMON SCENTED

For light duty cleaning, dilute Citrus APC FB 1:50. For heavy duty cleaning dilute 1:10. Wipe or spray diluted product on to the surface with low pressure spray. Let sit for 5-10 minutes. Agitate with a cloth, soft brush, or sponge if needed. Rinse with high pressure water spray. Do not let product dry on the surface of the vehicle. Rinse well.

### Protocol K-651 **Heavy Duty Calcium, Rust & Lime Remover**

Protocol K-651 is a low pH cleaner made from an organic salt/surfactant blend designed to quickly penetrate calcium carbonate, lime, rust, and other everyday soils. K-651 is safe to use on any surface but must be thoroughly rinsed from all surfaces after use.

✓READY TO USE ✓DESCALER ✓HEAVY DUTY ✓MULTI-SURFACE  
✓CFIA APPROVED

Apply solution using a foamer, sponge, soft brush, or cloth. Let stand for 10 - 30 seconds. Some agitation may be required. Wipe with a damp cloth or rinse with water. Dilution rates (K-651:Water): Light soils: 1:5, Medium soils and soft metals: 1:3, Heavy soils, lime, rust and calcium build-up: use undiluted. **RINSE THOROUGHLY FROM ALL SURFACES.** Please refer to our dilution chart for more detailed information.

## OIL FIELD PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### OS-100 | **S007** | **Hydrochloric Acid Replacement**

This product is a pure solution of organic salts. It can be used for a variety of descaling and rust cleaning operations as a replacement for hydrochloric acid. OS-100 can also be used to replace HCl in acid fracturing operations. OS-100 is readily biodegradable and non-corrosive to skin and mild steel. Suitable for use on rust, calcium and magnesium scales.

✓ACID REPLACEMENT ✓DESCALER ✓ORGANIC SALT BASED

*Although this product is classified as corrosive, it is only corrosive to aluminum. It is not corrosive to skin or mild steel. The optimal concentration for descaling is 40% active. This product can be streamed into a closed loop system for descaling purposes.*

#### Bitusol Alpha | **925** | **High Flash Point Orange Solvent**

Bitusol Alpha is a high flash point solvent based degreaser. It's designed to be used in enclosed areas where there is a high risk of fire. Based on a blend of synthetic hydrocarbons and citrus oils, it will dissolve tough oil deposits such as bitumen, grease and heavy crude. This product is particularly effective when used in combination with K-300i.

✓LOW FLAMMABILITY ✓SOLVENT

*Apply product to surface by low pressure pump sprayer, brush, or mop. Let stand for 3 - 5 minutes. It is recommended that the surface then be rinsed with a high pressure washer or hot steam pressure system. Use in well ventilated areas.*

#### Exosolve | **980** | **High Flash Point & Low VOC Solvent**

Exosolve is a high flash point, low VOC product designed to be used in areas where flammability is a concern. It contains synthetic hydrocarbon solvents as well as solvents derived from coconut oil. Exosolve is particularly suitable for high temperature, high pressure cleaning operations where foam generation is undesirable.

✓LOW FLAMMABILITY ✓LOW VOC  
✓HIGH TEMPERATURE & PRESSURE CLEANING

*Apply straight with a pump-up sprayer. Let sit for 5-10 minutes. Agitation may be required for tougher soils. Rinse with high pressure spray. This product performs better under high heat conditions and as such can be safely heated to 80C for optimal cleaning.*

#### Exosolve Boost | **981** | **Detergency Booster**

Exosolve Boost is a product designed to boost detergency when used in conjunction with Exosolve in a waterborne cleaning system. Exosolve Boost will increase wetting and detergency and help prevent soil redeposition.

✓DETERGENCY BOOSTER ✓WATERBORNE CLEANING SYSTEMS

*Exosolve Boost should be added to the Exosolve cleaning mixture at a rate of about 4% or one drum per 5000L of cleaning mixture.*

#### SciSolve HD | **514** | **Heavy Duty Solvent Degreaser**

SciSolve HD is a heavy duty hydrocarbon solvent degreaser capable of cleaning grease, oil and tar off of shop floors, heavy equipment, parts and many other areas. This unique blend of surfactants and hydrocarbon solvents is widely used in the oil industry for the removal of crude oil, bitumen and other soils from pumps, process equipment, gauges and service equipment.

✓HEAVY DUTY ✓SOLVENT BASED DEGREASER ✓OIL/TAR/BITUMEN

*Apply with a low pressure sprayer. Let sit for 5-10 min. Agitate if necessary. Rinse with water.*

#### VapourClean | **997** | **Vapour Phase Degreaser**

VapourClean is a water based detergent/scavenger combo that is designed to be used in high temperature vapour cleaning operations. It uses highly biodegradable high temperature stable surfactants and a water soluble hydrogen sulfide scavenger. The scavenger will remove hydrogen sulfide while the detergent component will emulsify other contaminants such as BTEX. VapourClean's ability to efficiently and effectively perform in closed system vapour cleaning is unmatched in the industry. This product has become a mainstay in plant shutdown operations throughout western Canada.

✓DEGREASER ✓H2S SCAVENGER ✓HIGH TEMPERATURE  
✓VAPOUR CLEANING

*Dilution rates will depend on the severity of the problem. A recommended starting dilution would be 1:10.*



## OIL FIELD PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Foam Booster | 906 | Foaming Agent

This high activity, concentrated foaming agent is specially formulated to produce stable foam in areas contaminated with oil, or a high degree of dissolved solids. As a highly concentrated foam booster, this product is extremely effective even in small amounts, resulting in an economical foaming solution.

✓CONCENTRATED ✓FOAM BOOSTER ✓ECONOMICAL

*This product can be added in various amounts until desired foam profile is achieved. Avoid mixing with acidic solutions.*

#### Paramod CX | 975 | Paraffin Modifier

Paramod is a formulated paraffin modifier that pulls paraffins into the oil layer eliminating build up. Because Paramod modifies the wax rather than inhibiting it, there's no requirement for disposal of waste paraffin. Available in a variety of concentrations from 1% active to 100% active to suit your needs.

✓EMULSIFIES PARAFFINS ✓CUSTOM CONCENTRATIONS AVAILABLE

*Paramod CX can be used in a solvent squeeze process or circulation at normal pressure. 10,000 ppm active is a good starting point for testing. During the solvent squeeze process, the mixture must be kept under 50-100 psig for 48-72 hours. If circulating, the solvent solution should be circulated for 4 days for optimal performance.*

#### Flowtek | 914 | Foamer / HC Dispersant

This all season concentrated blend of dispersants and surfactants is specifically designed to prevent asphaltene build-up in tubular, production and flow line equipment. It also aids in unloading produced water from gas wells depending on composition.

✓PREVENTS ASPHALTENE BUILD-UP  
✓PRODUCTION & FLOW LINE EQUIPMENT

*This product can be used down hole in open completion wells or at the wellhead directly injected into the flow line at required rates based on volumes and severity of the problem.*





## OIL FIELD PRODUCTS

### PRODUCT NAME / No. / DESCRIPTION

### PRODUCT DIRECTIONS

#### Sci-Scav T | 909 | H<sub>2</sub>S Scavenger

This triazine based H<sub>2</sub>S scavenger is designed for low temperature removal of H<sub>2</sub>S gas. It can be used in a variety of applications including liquid phase and gas phase scavenging. This product reacts with H<sub>2</sub>S to form a stable water soluble by-product. Unlike monoethanolamine, triazine based scavengers will not release H<sub>2</sub>S when heated.

✓H<sub>2</sub>S SCAVENGER ✓LIQUID & GAS PHASE SCAVENGING  
✓TRIAZINE BASED

One gallon of Sci-Scav T will scavenge a maximum of 1.1 pounds of H<sub>2</sub>S per MMSCF of gas. This product should be injected as early as possible to maximize contact time.

#### De-Icing Fluid | 919 | De-icing Fluid

This special blend of alcohols acts as a de-icing fluid that quickly clears frozen transmission lines. This product also absorbs extraneous water vapour to help prevent subsequent freezing.

✓ELIMINATES ICE ✓PREVENTS FREEZING

Add this product to system until flow resumes.

#### Fin Fan Cleaner | 917 | High Foaming Fin & Fan Degreaser

This concentrated water soluble detergent is designed for cleaning radiator fins and fans. It integrates a unique combination of powerful surfactants and builders which allow it to quickly penetrate grease and oil. This product is high foaming and, when used through a foam generator, it will produce rich, dense foam. This product is pH buffered and is safe for use on all types of metals, including soft metals such as aluminum.

✓HIGH FOAMING ✓RADIATOR FINS & FANS

For heavy-duty application, dilute 1 part product to 4 parts water (250 mL to 1 L). Spray or wipe onto surface. Rinse completely with water. For general cleaning, dilute 1 part product to 10 parts water (100 mL to 1 L). Spray or wipe onto surface. Rinse completely with water. For pressure washing, dilute 1 part product to 75 parts water (15 mL to 1 L).

#### DeFoamer | 810 | DeFoamer Concentrate

This concentrated liquid de-foaming agent is designed to keep foam from building up in recovery tanks. It can be used in a multitude of cleaning applications where foam is undesirable.

✓CONCENTRATED ✓FOAM SUPPRESSION ✓CIRCULATION CLEANING

This product can be added in various amounts until desired results are achieved.





# **SCI-TECH**

ENGINEERED CHEMICALS INC.

## **PRODUCT APPLICATION GUIDE**

### **AREAS OF APPLICATION**

- Environmentally Friendly Products
- Laundry Care Products
- Ware Wash Products
- Car & Truck Wash Products
- Floor Care Products
- Heavy Industrial Cleaners
- All Purpose Cleaners
- Hair, Body & Hand Care Products
- Carpet Care Products
- Oil Field Products

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