

PROTOCOL SERIES – ENVIRONMENTAL DEGREASERS AND CLEANERS

PROTOCOL K-300 ALL PURPOSE CLEANER		ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. Protocol K-300 carries the Ecologo signifying certification by Canada's Environmental Choice Program, under the C.E.P.A. K-300 is an all-purpose cleaner designed specifically to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. A unique and carefully chosen blend of non-ionic surfactants and biodegradable builders enables K-300 to outperform traditional water soluble cleaners when used comparatively. For specific use in food plants, see directions.		
PART NO.	SIZE			
ACL-PK300-121	12 X 1 LITRE BOTTLE			
ACL-PK300-44	4 X 4 LITRE JUGS			
ACL-PK300-20	20 LITRE PAIL			
ACL-PK300-205	205 LITRE DRUM			
ACL-PK300-1025	1025 LITRE TOTE			
Area to Clean		Mix Rate (K-300:Water)	Ounce / Gallon	Milliliters / Litre
Pulp and paper plants		1:26	6	38.5
Auto scrubber		1:16	13	63
Oxidized paint		1:10	16	100
Car or truck wash		1:10	16	100
Heavy duty Truck Wash-Carpet Cleaner		1:8	20	125
Walls-Ceilings- Wastebaskets- Lockers-Telephones-Lights		1:5	32	200
Counters-Appliances-Office Equipment		1:4	40	250
Furniture		1:3	53	333
Radiators-Doors-Rig Wash-Kitchen Hoods-Canvas Awnings		1:2	80	500
Meat Packing Plants -Parts Washer-Carpet or Laundry spotter		As is	-	-
Oil/Gas Plants-Oil/Grease-Engine Degreaser-Oven Cleaner-Concrete		As is	-	-

PROTOCOL K-300i INDUSTRIAL CLEANER DEGREASER		ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. Protocol K-300i carries the Ecologo signifying certification by Canada's Environmental Choice Program, under the C.E.P.A. K-300i employs a combination of biodegradable surfactants and builders in a highly concentrated formula that has incredible performance with the added benefit of low environmental impact. K-300i must be diluted depending on the soil load to be cleaned. For use in food plants, see directions.		
PART NO.	SIZE			
ACL-PK300i-121	12 X 1 LITRE BOTTLE			
ACL-PK300i-44	4 X 4 LITRE JUGS			
ACL-PK300i-20	20 LITRE PAIL			
ACL-PK300i-205	205 LITRE DRUM			
ACL-PK300i-1025	1025 LITRE TOTE			
Area to Clean		Mix Rate (K-300i:Water)	Ounce / Gallon	Milliliters / Litre
Auto scrubber		1:160	1.3	6.3
Car or Truck Wash- Oxidized paint		1:100	1.6	10
Heavy duty Truck Wash-Carpet Cleaner		1:80	2.0	12.5
Walls-Ceilings- Wastebaskets- Lockers-Telephones-Lights-Shades		1:50	3.2	20
Aircraft Cleaner		1:50	3.2	20
Counters-Appliances-Office Equipment		1:40	4.0	2.5
Furniture		1:32	5	31.3
Pulp & Paper Plants-Canvas Awnings		1:26	6	38.5
Radiators-Doors-Rig Wash-Kitchen Hoods		1:20	8	50
Meat Packing Plants -Parts Washer-Carpet or Laundry spotter		1:10	16	100
Oil/Gas Plants-Oil/Grease-Engine Degreaser-Oven Cleaner-Concrete		1:10	16	100

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PROTOCOL K-301 INDUSTRIAL CLEANER DEGREASER		<p>ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. Protocol K-301 is an all-purpose industrial cleaner/degreaser concentrate (must be diluted), designed to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. K-301 is safe to use on any surface. This unique and carefully chosen blend of non-ionic, biodegradable surfactants and builders enables K-301 to outperform traditional water soluble cleaners when used comparatively.</p> <p>For specific use in food plants, see directions.</p>
PART NO.	SIZE	
ACL-PK301-121	12 X 1 LITRE BOTTLE	
ACL-PK301-44	4 X 4 LITRE JUGS	
ACL-PK301-20	20 LITRE PAIL	
ACL-PK301-205	205 LITRE DRUM	
ACL-PK301-1025	1025 LITRE TOTE	

Area to Clean	Mix Rate (K-301:Water)	Ounce / Gallon	Milliliters / Litre
Auto scrubber	1:160	1.3	6.3
Car or Truck Wash- Oxidized paint	1:100	1.6	10
Heavy duty Truck Wash-Carpet Cleaner	1:80	2.0	12.5
Walls-Ceilings- Wastebaskets- Lockers-Telephones-Lights-Shades	1:50	3.2	20
Aircraft Cleaner	1:50	3.2	20
Counters-Appliances-Office Equipment	1:40	4.0	2.5
Furniture	1:32	5	31.3
Pulp & Paper Plants-Canvas Awnings	1:26	6	38.5
Radiators-Doors-Rig Wash-Kitchen Hoods	1:20	8	50
Meat Packing Plants -Parts Washer-Carpet or Laundry spotter	1:10	16	100
Oil/Gas Plants-Oil/Grease-Engine Degreaser-Oven Cleaner-Concrete	1:10	16	100

PROTOCOL K-300iGT IND. CLEANER DEGREASER		<p>Protocol K-300i GT is a concentrated all-purpose cleaner designed specifically to quickly penetrate dirt, oil, grease, pigments, and other everyday soils. K-300i GT is safe to use on any surface. K-300i GT employs a combination of biodegradable surfactants and builders in a highly concentrated formula that has incredible performance with the added benefit of low environmental impact. K-300i GT must be diluted depending on the soil load to be cleaned. This product is Ecologo certified. For specific use in food plants see directions.</p>
PART NO.	SIZE	
ACL-PK300iGT-121	12 X 1 LITRE BOTTLE	
ACL-PK300iGT-44	4 X 4 LITRE JUGS	
ACL-PK300iGT-20	20 LITRE PAIL	
ACL-PK300iGT-205	205 LITRE DRUM	
ACL-300igt-1025	1025 LITRE TOTE	

PROTOCOL K-550 HEAVY DUTY DEGREASER		<p>Specially formulated detergent designed to remove tough oil and carbon deposits from many surfaces. The formula includes readily biodegradable surfactants and builders as well as an innovative rust inhibitor making this product suitable for cleaning bare metals. Tough grease and carbon deposits are no match for Protocol K-550's concentrated alkaline formula. 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.</p>
PART NO.	SIZE	
ACL-PK550-121	12 X 1 LITRE BOTTLE	
ACL-PK550-44	4 X 4 LITRE JUGS	
ACL-PK550-20	20 LITRE PAIL	
ACL-PK550-205	205 LITRE DRUM	
ACL-PK550-1025	1025 LITRE TOTE	

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BIOSOL SERIES—ENVIRONMENTAL DEGREASERS AND CLEANERS

BIOSOL 210 MUDWASH		
PART NO.	SIZE	
ACL-BS210-20	20 LITRE PAIL	<p>Powerful yet economical Rig Cleaner that safely and effectively outflanks and extracts most contaminants from rig surfaces, Its primary mission is to seek and destroy all types of drilling mud—a mission which it never fails to complete with great success. Mudwash suspends contaminants with lightning speed. Allowing for quick and easy cleanup and rinse.</p> <p><u>Product Applications</u></p> <ul style="list-style-type: none">) Industry leading cost to treat) Shakers) Mud tanks) Centrifuges) Drilling rig platforms) Invert spills) Well kicks) Drill heads) Pipe) Oilfield equipment
ACL- BS210-205	205 LITRE DRUM	
ACL-BS210-1025	1025 LITRE TOTE	

BIOSOL 310 LEVASOL DEGREASER		
PART NO.	SIZE	
ACL-BS310-20	20 LITRE PAIL	<p>Contains a unique blend of organic solvents, surfactants, emulsifiers, chelates and corrosion inhibitors that ensure faster, less labor intensive cleaning. Excess moisture is dispersed very quickly to accelerate drying time and a protective finish inhibits flash rust on exposed metals. And, of course, there are no hazardous fumes or hidden toxic by-products. Fully biodegradable, user safe and improves work site safety. Rig washing in oil & gas operations.</p> <p><u>Product Applications</u></p> <ul style="list-style-type: none">) Rig wash, invert muds, pumps and equipment) Mining equipment (surface & underground)) Marine and forestry equipment) Machine shops, drill presses, shop floors & walls) Motors, machinery, and manufacturing tools) Ultrasonic tanks, generators) Food safe for use in camp kitchens) Food & meat processing equipment) Animal fats, blood, protein deposits) Lubricants) Printing press maintenance (water-based inks)) Wireline trucks & equipment) Frac trucks & equipment) Oilfield tools
ACL- BS310-205	205 LITRE DRUM	
ACL- BS310-1025	1025 LITRE TOTE	

BIOSOL SERIES—ENVIRONMENTAL DEGREASERS AND CLEANERS

BIOSOL 610 HYPERSOL DEGREASER

PART NO.	SIZE
ACL-BS610-20	20 LITRE PAIL
ACL- BS610-205	205 LITRE DRUM
ACL-610-1025	1025 LITRE TOTE

A powerful combination of organic, inorganic and synthetic solvents that stand up to the toughest degreasing challenges. Yet, it does not contain the carcinogens or hidden toxins often associated with their use. It's also 100% active – meaning that it contains absolutely no water. Count on BioSol™ 610 to quickly dissolve oil, grease, asphaltenes, wax, adhesives and organic materials. And, a special blend of additives ensures a clean, residue-free rinse.

Product Applications

-) Drill rig degreaser (invert muds)
-) Marine vessels, storage tanks, cargo holds, turbines & hoses
-) Oilfield service rigs, downhole tools
-) Oilfield equipment, bulk carrier tank cleaning
-) Machine shops, steel fabricators
-) Road construction, heavy machinery, tar removal
-) Pulp & paper mills, forestry equipment (including blades)
-) Mining equipment (underground & surface)
-) Automotive detailing & repair
-) Oil tanks, cylinder heads, generators
-) Oil tools
-) Crude oil, asphaltenes, bitumen, tar
-) Grease, hydrophobic paraffin's

BIOSOL 615 VICOSOL DEGREASER

PART NO.	SIZE
ACL-BS615-20	20 LITRE PAIL
ACL- BS615-205	205 LITRE DRUM
ACL-BS615-1025	1025 LITRE TOTE

Biodegradable solvents, surfactants and emulsifiers to produce a powerful degreasing syrup that literally defies gravity. Syrup technology clings to any surface, ensuring maximum contact. As it clings, powerful ingredients go to work methodically stripping layers of crud until the original surface shines through. Quickly dissolves oil, grease, asphaltenes, wax, adhesives and organic materials, allowing for an easy rinse.

Product Applications

-) Solvent based graphite removal
-) Paving equipment, heavy machinery, tar removal
-) Oilfield service rigs, downhole tools
-) Oilfield equipment, oil tools
-) Machine shops, steel fabricators
-) Mining equipment
-) Marine vessels
-) Cylinder heads, generators, oil tanks
-) Cargo holds, bilges, storage tanks, turbines
-) Crude oil, asphaltenes, bitumen, tar
-) Grease, distillates, mineral oils, paraffin's

BIOSOL SERIES—ENVIRONMENTAL DEGREASERS AND CLEANERS

BIOSOL GEARSOL HEAVY DUTY DEGREASER

PART NO.	SIZE
ACL-BSGEA-20	20 LITRE PAIL
ACL-BSGEA-205	205 LITRE DRUM
ACL-BSGEA-1025	1025 LITRE TOTE

Specifically designed to go to work quickly on waterproof greases through both surface action as well as rapid penetration. GearSol works effectively to break down synthetic graphite and most other high pressure greases without compromising health and safety. GearSol works efficiently to break down the toughest waterproof greases that no other degreaser can touch with the same level of safety to both the user and the environment.

Product Applications

Useful in the Following Industries

Mining & Ore Processing, Construction, Oil/Gas, Pulp & Paper, Transport

Applications

-) Degreasing bull gears
-) Cleaning wire rope & hoist cables
-) Cleaning transfer & transmission cases
-) Degreasing drivelines

BIOSOL MEGASOL HEAVY DUTY DEGREASER

PART NO.	SIZE
ACL-BSMEG-20	20 LITRE PAIL
ACL-BSMEG-205	205 LITRE DRUM
ACL-BSMEG-1025	1025 LITRE TOTE

Megasol introduces a breakthrough technology that provides a powerful solution to effectively and safely deal with any combination of soil, mud or sand mixed with heavy oils. Other BioSol products are designed to effectively clean either soils or heavy oils, but not necessarily both at the same time. BioSol™ Megasol's powerful surfactants and wetting agents aggressively penetrate through almost any kind of soil, leaving it soft, pliable and easy to rinse. At the same time powerful yet safe synthetic and organic solvents break up and emulsify heavy oils such as bitumen and tar. In addition MegaSol is designed to inhibit corrosion, eliminate static electric charge, and prevent the redistribution of soils. Whether faced with invert mud, dirt mixed with heavy oil, tar sands or any other scenario with such mixtures, Megasol will get the job done. Megasol delivers this incredible performance without compromising safety or environmental integrity.

Product Applications

-) Oil sands, bitumen, heavy crude, Industrial grease
-) Heavy haulers, shovels, dozers, Graders, backhoes, loaders
-) Engine compartments, undercarriages
-) Swing gears, suspensions, hydraulic tanks
-) Pumps, motors, light vehicles
-) Oilfield equipment, service rigs, downhole tools, BOPs
-) Mining equipment (underground & surface)
-) Sludge & oilfield tanks – asphaltenes, waxes & heavy oil buildup
-) Heavy manufacturing – steel plant, tire plant, rubber plant
-) Pipeline manufacturing and repair
-) Printing (oil based inks)
-) Oil & Gas refineries & Smelters

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BIOSOL TARSOL COAL TAR CLEANER		<p>Specifically designed to DISSOLVE AND CLEAN TOUGH COAL TAR AS WELL AS APHALTENES AND HEAVY WAXES. It is environmentally safe product, being biodegradable with a low bioaccumulation potential. It works fast and rinses free leaving no residue, saving both time & money. In addition to effectively dissolving coal tars, carbon blacks and heavy waxes, TarSol also works extremely well in removing aged tar that has been exposed to the atmosphere for extended periods of time. With an unmatched HS&E profile TarSol is a safer alternative to other products on the market, used in similar applications. Even old asphalt with stubborn polymers can be removed with ease. TarSol is also useful in Carbon black manufacturing plants to remove and / or soften heavy crude.</p> <p><u>Product Applications</u></p> <p style="text-align: center;"><u>Useful in the Following Industries</u></p> <p>Mining, Oil Refining, Transportation, Construction</p> <p><u>Applications</u></p> <ul style="list-style-type: none">) Coal tar removal) Tar and emulsions) Cleaning liquid tar equipment) Carbon black manufacturing to remove/soften heavy crude) Cleaning lines in asphalt plants) Breaking down samples in asphalt testing labs
PART NO.	SIZE	
ACL-BSTAR-20	20 LITRE PAIL	
ACL- BSTAR-205	205 LITRE DRUM	
ACL-BSTAR-1025	1025 LITRE TOTE	

BIOSOL ULTRASOL HEAVY DUTY DEGREASER		<p>A leader in heavy duty degreasing, providing excellent performance without compromising integrity or the health and safety of its user. Due to the low odour, this product has a wide range of uses in various applications, especially in enclosed areas such as mines, small shops, tanks and crawl spaces. It works aggressively to penetrate and emulsify the hydrocarbons of most heavy greases and oils. Its safe to use in hot areas and on hot surfaces where fumes are a problem and rinses totally free with no residue left behind.</p> <p><u>Product Applications</u></p> <ul style="list-style-type: none">) Heavy Duty decreasing on heavy equipment) Cleaning greasy / oily floors) Cleaning cables) Decreasing gears) Cleaning tank interiors) Removing tars / asphalts) Rail cars / tanks
PART NO.	SIZE	
ACL-BSULT-20	20 LITRE PAIL	
ACL- BSULT-205	205 LITRE DRUM	
ACL-BSULT-1025	1025 LITRE TOTE	