



Altachem Ltd./Altachem International

5507-76th Avenue. W Edmonton, AB. Canada T6B 0A7

altachem@gmail.com

altachem@shaw.ca

Ph: + (780) 907-2357

<http://www.altachem.ca>

<http://www.altachem.net>

Fax: + (780) 414-1446

World Wide Whatsapp: +780-907-2357

For more than 20 years ALTACHEM LTD. has been supplying solutions for the oil and gas industry with an unsurpassed commitment to excellence.

Located in the center of this nation's most active oil producing region, Select Industries continues to be an innovator providing soluble products around the globe.

Our products address and solve specific problems related to your production site. Even in extreme conditions where the well's fluid column is more than 70% composed of condensation, ALTACHEM LTD. still provides a soluble solution.

Coupled with the use of automatic delivery systems, you can provide "round-the-clock" attention to your well delivering the right soluble chemical right when the well needs it.

Unlike liquid treatments that only penetrate the upper surface area, ALTACHEM LTD'S time released chemical sticks, pellets or balls activate at the source. Water, Condensate, Sand, Scale Paraffin build up, Salt deposits, Corrosion, as well as rust are all eliminated in the most cost effective way possible.

ALTACHEM LTD. is the largest solid chemical stick supplier in Canada with a growing penetration supplying solutions around the world.



**SOLUTIONS FOR PRODUCTION -
MAINTENANCE & DRILLING**

PROTOCOL SERIES

Green Chemistry



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5507-76th Avenue, W Edmonton, AB, Canada T6B 0A7

altachem@midwest.com

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Protocol Series

The Protocol Series of products is the culmination of over 18 years of developing and trialling environmentally friendly cleaning products. From oilfield operations, to restaurants, hospitals, schools and building maintenance, Protocol products have outperformed traditional chemistries while earning Ecologo accreditations and Green Restaurant Association endorsements.

ENVIRONMENTALLY FRIENDLY CLEANING SOLUTIONS

AREAS OF APPLICATION

Invert Muds
Cleaner/Degreaser
Sanitizing
Kitchen Cleaning
Personal Hygiene

Oilfield Maintenance
De-Scaling
Bathroom Cleaning
Toilet Bowl Cleaner
Floor Care

Pipe Dope Cleaning
General Purpose
Tub, Tile & Grout
Glass Cleaner
Laundry

Mechanical Dish Washing

Grease Trap Maintenance



UL Ecologo Program

Ecologo Certified Products, services and packaging are certified for reduced environmental impact. Ecologo Certifications are voluntary, multi-attribute, lifecycle-based environmental certifications that indicate a product has undergone rigorous scientific testing, exhaustive auditing, or both, to prove its compliance with stringent, third-party, environmental performance standards.

These standards set metrics for a wide variety of criteria in some or all of the following categories: materials; energy; manufacturing and operations; health and environment; product performance and use; and product stewardship and innovation.



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"PROTOCOL K-300 (ALL PURPOSE CLEANER)"

Protocol 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 **Protocol K-300** to **outperform traditional water soluble cleaners when used comparatively. ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. Protocol K-300 carries the Ecologo signifying certification by Canada's Environmental Choice Program, under the C.E.P.A..**



<u>Protocol k-300</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK300/20	205 L (45 Galloon) Drum ACL-PK300/205	1025 L (1025 Gallon) Tote ACL-PK300/1025	Bulk ACL-PK300/Bulk

"PROTOCOL K-300i (CLEANER - DEGREASER)"

Protocol K-300i is a highly concentrated Ecologo approved and GRA endorsed 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-300i to perform well in many different environments from offices to industrial sites.**



<u>Protocol K300i</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK300i/20	205 L (45 Galloon) Drum ACL-PK300i/205	1025 L (225 Galloon) Tote ACL-PK300i/1025	Bulk ACL-PK300i/Bulk

"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.



<u>Hypersol 610</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK301/20	205 L (45 Galloon) Drum ACL-PK301/205	1025 L (225 Galloon) Tote ACL-PK301/1025	Bulk ACL-PK301/Bulk

"PROTOCOL K-300iGT (INDUSTRIAL CLEANER - DEGREASER)"

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. **Protocol K-300i GT** must be diluted depending on the soil load to be cleaned. This product is Ecologo certified.



<u>UltraSol</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK300iGT/20	205 L (45 Galloon) Drum ACL-PK300iGT/205	1025 L (225 Galloon) Tote ACL-PK300iGT/1025	Bulk ACL-PK300iGT/Bulk

"PROTOCOL K-550 (HEAVY DUTY DEGREASER)"

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.



<u>UltraSol</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK550/20	205 L (45 Galloon) Drum ACL-PK550/205	1025 L (225 Galloon) Tote ACL-PK550/1025	Bulk ACL-PK550/Bulk



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"PROTOCOL K-650 (CALCIUM-RUST-LIME REMOVER)"

ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. **Protocol K-650** is an Ecologo certified tub, tile, and grout 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-650 is safe to use on any surface (must be thoroughly rinsed from all surfaces after use). **The unique blend of surfactants and organic salts enables K-650 to outperform traditional acid based cleaners.**



<u>Protocol K-650</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK650/20	205 L (45 Galloon) Drum ACL-PK650/205	1025 L (1025 Gallon) Tote ACL-PK650/1025	Bulk ACL-PK650/Bulk

"PROTOCOL K-651 (CALCIUM-RUST-LIME REMOVER)"

ENVIRONMENTALLY FRIENDLY. CFIA APPROVED. **SANITIZER. Protocol K-651** is a tub, tile, and grout 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. **Protocol K-651** is safe to use on any surface (must be thoroughly rinsed from all surfaces after use). The blend of surfactants and organic salts enables K-651 to outperform traditional acid based cleaners.



<u>Protocol K-651</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK651/20	205 L (45 Galloon) Drum ACL-PK651/205	1025 L (225 Galloon) Tote ACL-PK651/1025	Bulk ACL-PK651/Bulk

"PROTOCOL K-390 (ALUMIUM BRIGHTENER)"

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. **Protocol K-300i GT** must be diluted depending on the soil load to be cleaned. This product is Ecologo certified.



<u>UltraSol</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Pail-Drum-Tote -Bulk</u>	
20 L (5 Gallon) Pail ACL-PK390/20	205 L (45 Galloon) Drum ACL-PK390/205	1025 L (225 Galloon) Tote ACL-PK390/1025	Bulk ACL-PK390/Bulk

ALTACHEM PRODUCTS

Solid Chemical Sticks

Solid Chemical Pellets

Oil Soluble Pigs

Water Soluble Pigs

Liquid Downhole Foamers

Asphaltene Dispersants

Paraffin Inhibitors

Paraffin Modifiers

Corrosion Inhibitors

Scale Inhibitors

Defoamer - Oil

Defoamer – Water (Gas)

Abandoning Fluid

Salt Dispersion

De-icing Fluid

H2S Scavengers

Combo

Combo

Combo

Asphaltene Dispersant c/w Foamer

Corrosion Inhibitor c/w Foamer

Sand-Silt-Sludge Dispersant c/w Foamer