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ABOUT ALTACHEM

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.



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LIQUID

Liquid degreasers are designed to be run through pressure washers or foamers, circulated through systems, or used in spray and wipe applications.

WATER BASED

Water-based degreasers that can be diluted with water. Formulations are low to high foam. Options include readily biodegradable, Ecologo approved formulas to traditional caustic formulations

ACL-PK300i

PROTOCOL K-300i



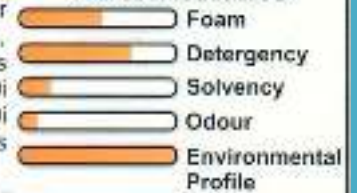
Industrial Degreaser



Protocol K-300i is an industrial cleaner/degreaser that is designed to quickly penetrate dirt, oil, grease and other stubborn soils. Since Protocol K-300i does not utilize butyls, phosphates or highly caustic chemicals it is safe to use and is safe for the environment. A 10 % solution of Protocol K-300i can also prevent soil deposition in invert drilling mud. K-300i is suitable for cleaning equipment, pressure washing floors and general light to medium duty cleaning.

CONCENTRATE CFIA APPROVED ECOLOGO APPROVED

PERFORMANCE CHARACTERISTICS



ACL-PK301

PROTOCOL K-301

Industrial Cleaner Degreaser Concentrated



Protocol K-301 is an industrial cleaner/ degreaser that is designed to quickly penetrate dirt, oil, grease and other stubborn soils. Since Protocol K-301 does not utilize butyls, or highly caustic chemicals it is safe to use and is safe for the environment. Protocol K-301 is highly concentrated. K-301 is suitable for cleaning equipment, pressure washing floors and general light to medium duty cleaning.

CONCENTRATE CFIA APPROVED

PERFORMANCE CHARACTERISTICS



ACL-PK550

PROTOCOL K-550

Heavy Duty Industrial Degreaser



Protocol K-550 is a specially formulated detergent designed to remove tough oil and carbon deposits from many hard surfaces. This formula includes readily biodegradable surfactants and builders as well as an innovative rust inhibitor making this product suitable for cleaning bare metals. K-550 is suitable for cleaning equipment, pressure washing floors and general medium to heavy duty cleaning.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-SCLFC

LFC CONCENTRATE

Low Foam Degreaser



This product is a highly concentrated, phosphate free, alkaline low foam cleaner. It is designed to remove tough oils and greases while producing very little foam. Use caution when using this product on soft metals such as aluminum. This product is suitable for cleaning closed systems or systems with high agitation where foam production is undesirable.

CONCENTRATE CFIA APPROVED

PERFORMANCE CHARACTERISTICS



ACL-FOA

FOAMTEK

FOAMING DEGREASER



This extremely concentrated, high-foaming liquid is designed to produce rich dense foam in industrial cleaning applications. This product may be applied manually using a foam brush at a concentration of 1 part product to 20 parts water or through a foam generating unit. Suitable for applications where cling time is required such as vehicle wash, fin fans and cleaning vertical surfaces.

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LIQUID

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WATER BASED

Water-based degreasers than can be diluted with water. Formulations are low to high foam. Options include readily biodegradable, Ecologo approved formulas to traditional caustic formulations

ACL-VAC

VAC-CLEAN

VAC TRUCK
DEGREASER



VacClean is a concentrated degreaser that is designed for reducing VOCs and LELs. It contains a blend of water soluble solvents and surfactants that encapsulate volatile hydrocarbons on contact. VacClean is stable through a wide range of temperatures and is designed to perform well in cold or hot water.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-LUB

LUBECLEAN



CFIA Approved. This non-butyl, lemon scented, general purpose cleaner / degreaser can be used for all general cleaning tasks. This product is an economical and easy to use liquid that will quickly clean greasy soils, grime and everyday dirt. It is also an excellent detergent for pressure spray cleaning applications and is ideal for cleaning hood fans and greasy rags.

CONCENTRATE CFIA APPROVED

PERFORMANCE CHARACTERISTICS



ACL-GPD

PLANT

GAS PLANT
CLEANER



This blend of surfactants, builders and organic based materials provides excellent surface wetting, emulsification and oil assimilation with superb foaming abilities. It is used as a chemical for circulating, foaming, steaming, or pressure washing. Circulating a dilution of product mixed with hot water will remove asphaltenes, waxes, and iron sulfide from flow lines and exchangers. This product will also reduce weak acidic gases such as hydrogen sulfide and carbon dioxide.

CONCENTRATE H₂S SCAVENGER

PERFORMANCE CHARACTERISTICS



ACL-FAN100

FIN FAN
CLEANER

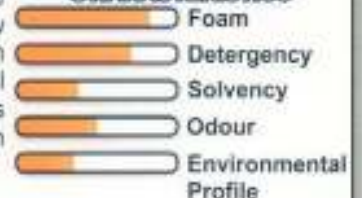
HIGH
FOAMING



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.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-VAP

VAPOUR CLEAN

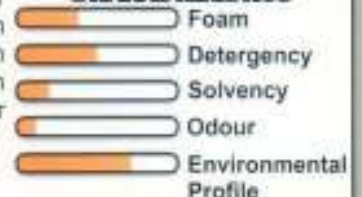
VAPOUR PHASE
DEGREASER



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.

CONCENTRATE VAPOUR PHASE H₂S SCAVENGER

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LIQUID Liquid degreasers are designed to be run through pressure washers or foamers, circulated through systems, or used in spray and wipe applications.

SOLVENT Solvent-based solutions that are designed to remove tough tar and grease deposits. These cannot be diluted with water.

ACL-CS1

CITRASOLVE 1

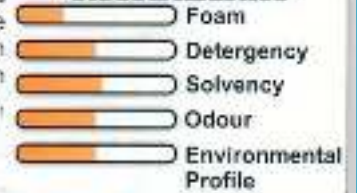
Orange Solvent
MicroEmulsion
Water Based



This heavy duty citrus microemulsion degreaser is designed for cleaning shop floors, heavy equipment and parts. Its unique blend of surfactants and organic solvents eliminate the toxicity and odour problems commonly associated with petroleum and chlorine based products. This microemulsion will effectively and efficiently remove oil, bitumen, tar, asphalt, and dirt from a wide variety of surfaces.

READY TO USE

PERFORMANCE
CHARACTERISTICS



ACL-CSS

CITRASOLVE

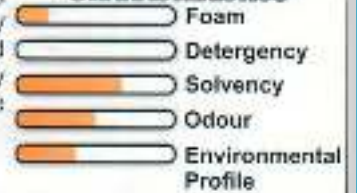
Orange
Solvent



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 in the oil industry for the removal of crude oil, grease and other soils from pumps and service equipment. Simply spray the surface to be treated and rinse off with high pressure spray.

READY TO USE

PERFORMANCE
CHARACTERISTICS



ACL-SCS

SCISOLVE

Hydrocarbon
Solvent



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.

READY TO USE

PERFORMANCE
CHARACTERISTICS



ACL-BTA

BITUSOL ALPHA

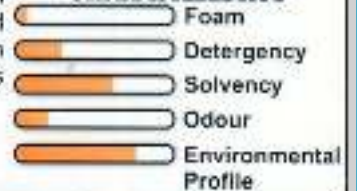
High Flash Point
Orange
Solvent



Bitusol Alpha is a high flashpoint solvent based degreaser. It is 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, Bitusol Alpha will dissolve tough oil deposits such as bitumen, grease and heavy crude. Bitusol Alpha is particularly effective when used in combination with K-300i.

READY TO USE

PERFORMANCE
CHARACTERISTICS



ACL-EXO

EXOSOLVE

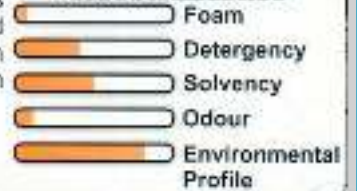
Low VOC
Solvent



Exosolve is a high flashpoint, 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.

READY TO USE

PERFORMANCE
CHARACTERISTICS





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POWDER Powdered degreasers are designed to be diluted in water and run through pressure washers or other cleaning systems. They can be used to alleviate storage and shipping costs.

ACL-UNI

UNIBLAST

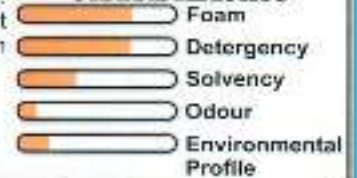
Heavy Duty Degreaser



This alkaline powdered carwash 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.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-FPP

FIREPOWER

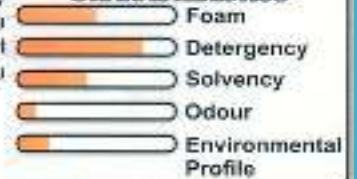
Heavy Duty Degreaser



Fire Powder is a high powered, powdered vehicle wash detergent that is designed exclusively for use in heavy industrial applications. When applied and rinsed with a pressure washer, it will cut through the toughest soils without extra agitation (brushing). This product is easy to rinse so you won't waste water during the rinsing stage.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-MSH

METAL STRIP

Dip Tank Cleaner



This high alkaline powdered dip tank cleaner is designed for removing rust, carbonized soils and paint. It may be used in a variety of applications and industries to clean heavy equipment, remove rust and clean metal prior to painting or plating. Metal strip is stable at a wide range of temperatures and is suitable for applications where the generation of foam is undesirable.

CONCENTRATE PHOSPHATE FREE

PERFORMANCE CHARACTERISTICS



ACL-MSS

SOFT METAL

Dip Tank Cleaner



This alkaline powdered dip tank cleaner is designed for removing rust, carbonized soils and paint. It may be used in a variety of applications and industries to clean heavy equipment, remove rust and clean metal prior to painting or plating. Metal strip is stable at a wide range of temperatures and is suitable for applications where the generation of foam is undesirable. For use on soft/fine metals.

CONCENTRATE PHOSPHATE FREE

PERFORMANCE CHARACTERISTICS



ACL-MW

METAL WASH

Degreaser



This product is a powdered multi-purpose cleaner designed for spray or immersion cleaning of metals. This low foaming, heavy duty degreaser will remove most soils and is safe to use on all metals. Because it is low foaming, it is suitable for use in high pressure cleaning operations where production of foam is undesirable.

CONCENTRATE PHOSPHATE FREE

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ACID REPLACEMENT

Concentrated organic salts designed to be used for circulation cleaning of internal systems such as boilers, TVC units and cooling towers.

AGL-OS200

OS200

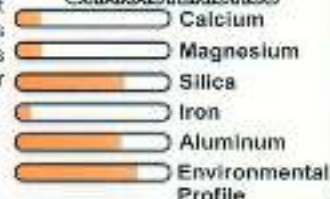
Hydrofluoric Acid Replacement



This concentrated organic salt solution is designed to be used in place of hydrofluoric acid. OS-200 is particularly good at brightening aluminum and removing silica based scales. This product is compatible with other organic salts in situations where many types of scale are present. OS-200 is suitable for low foam applications.

CONCENTRATE ORGANIC SALT

PERFORMANCE CHARACTERISTICS



AGL-OS100

OS100

Hydrofluoric 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.

CONCENTRATE ORGANIC SALT

PERFORMANCE CHARACTERISTICS



Descalers

Fully formulated descalers designed for cleaning a variety of hard surfaces. Includes traditional acid based descalers and organic salt based descalers.

ACL-SZP

SCALE ZERO PLUS

Hydrofluoric Acid Descaler



CFIA approved. This heavy duty hydrochloric acid based lime, scale, and oxide film remover is designed for the toughest soils at any concentration. It is 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.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-SLI

SLICK

Phosphoric Acid Descaler



This phosphoric acid descaler is designed to quickly and effectively remove calcium, magnesium, and iron scales. This product is a blend of mild acids that will not attack polished surfaces. Its high viscosity will allow it to cling to surfaces while it reacts with the scale. This is ideal for cleaning vertical surfaces. A built-in surfactant allows the acid to penetrate and lift scale deposits when circulating.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-PK370

PROTOCOL370

Chrome and Steel Cleaner



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

CONCENTRATE ORGANIC SALT

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Descalers

Fully formulated descalers designed for cleaning a variety of hard surfaces. Includes traditional acid based descalers and organic salt based descalers.

ACL-PK390
PROTOCOL K-390

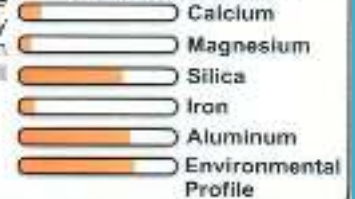
**Aluminum
Brightener**



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

CONCENTRATE ORGANIC SALT

PERFORMANCE CHARACTERISTICS



ACL-PK650
PROTOCOL K-650



**Calcium, Lime &
Rust Remover**



Protocol K-650 is an Ecologo certified calcium, rust and lime remover. Based on organic salts, K-650 is safe to use on any surface (must be thoroughly rinsed from all surfaces after use). Suitable for cleaning wash bay walls as well as removing calcium, rust and lime deposits. A built-in surfactant allows the acid to penetrate and lift scale deposits when circulating.

READY TO USE ECOLOGO APPROVED ORGANIC SALT

PERFORMANCE CHARACTERISTICS



ACL-PK651
PROTOCOL K-651

**Calcium, Lime &
Rust Remover**



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, and rust. K-651 is safe to use on any surface (must be thoroughly rinsed from all surfaces after use). Suitable for cleaning wash bay walls as well as removing calcium, rust and lime deposits. A built-in surfactant allows the acid to penetrate and lift scale deposits when circulating.

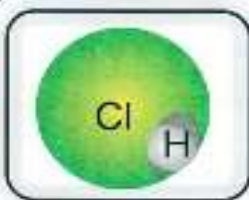
READY TO USE ORGANIC SALT

PERFORMANCE CHARACTERISTICS



ACL-HCI
**INHIBITED
HYDROCHLORIC
ACID**

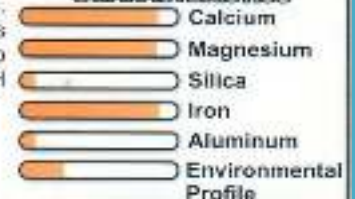
Descaler



Inhibited hydrochloric acid is the economical industry standard for removal of calcium, magnesium and iron scales. This product is available in a range of concentrations and is inhibited to prevent steel corrosion. Hydrochloric acid is also suitable for formation stimulation, acid fracturing and pH adjustment.

CONCENTRATE

PERFORMANCE CHARACTERISTICS



ACL-CIA
CITRIC ACID

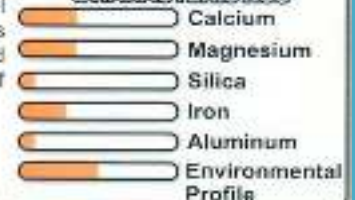
Descaler



Citric acid is a mild acid that can be used for many industrial applications such as boiler descaling, stainless steel passivation and base neutralization. This acid, because of its chelating ability, is particularly useful in hard water. Citric acid is available in powdered or liquid form in a variety of concentrations.

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<u>BioSol</u>	<u>Green Chemistry</u>	<u>Heavy Duty Cleaning</u>	<u>General Purpose Cleaning</u>
<u>Car Wash</u>	<u>Descaling</u>	<u>Pressure Wash</u>	<u>Defoaming</u>
<u>Personal Care</u>	<u>Specialty Products</u>	<u>Hand Wash</u>	<u>Body Wash</u>
<u>Restaurant/Food Services</u>	<u>General Purpose</u>	<u>Bathroom Cleaning</u>	<u>Glass Cleaning</u>
	<u>Mechanical Dish Washing Powder</u>		<u>Manual Dish Washing</u>
	<u>Mechanical Dish Washing Liquid</u>		<u>Disinfection and Sanitizing</u>
	<u>Grease Trap Maintenance</u>		<u>Descaling</u>
	<u>Bathroom Cleaning</u>		<u>Glass Cleaning</u>
<u>Educational Facilities</u>	<u>General Purpose</u>	<u>Floor Care</u>	<u>Bathroom Cleaning</u>
	<u>Disinfection and Sanitizing</u>		<u>Laundry</u>
<u>Building Maintenance</u>	<u>General Purpose</u>		<u>Washroom Cleaning</u>
	<u>Hand Soap & Body Wash</u>	<u>Laundry Care</u>	<u>Floor Care</u>
<u>Agricultural Facilities</u>	<u>Pressure Wash</u>	<u>Odour Control</u>	<u>Ware Wash</u>
<u>Oilfield & Industrial</u>	<u>Pressure Wash</u>	<u>Descaling</u>	<u>Crop Treatment</u>
	<u>Tar & Bitumen Removal</u>	<u>Circulation Cleaning</u>	<u>Defoaming</u>
	<u>H²S Scavenging & Cleaning</u>		<u>Invert Muds</u>
<u>Oilfield Solid Products</u>	<u>Solid Chemical Sticks</u>		<u>Solid Chemical Pellets</u>
	<u>Water Soluble Pigs (Ball/Plug)</u>		<u>Oil Soluble Pigs (Ball/Plug)</u>
<u>Oilfield Liquid Products</u>	<u>Downhole Foamers</u>		<u>Asphaltene Dispersants</u>
	<u>Paraffin Inhibitor</u>		<u>Paraffin Modifier</u>
	<u>Corrosion Inhibitors</u>		<u>Scale Inhibitors</u>
	<u>Defoamers – Oil</u>		<u>Defoamers -Gas</u>
	<u>Abandoning Fluid</u>		<u>Salt Dispersion</u>
	<u>H²S Scavengers</u>		<u>De-icing Fluids</u>
	<u>Methanol</u>		<u>Combo (Sand/Silt/Sludge Dispersant w Foamer)</u>
	<u>Combo (Asphaltene Dispersant w Foamer)</u>		<u>Combo (Corrosion Inhibitor w Foamer)</u>