



Altachem Ltd./Altachem International

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ALTACHEM LTD.

STICKS-PELLETS-BALLS

(PRODUCTS IN STICK-PELLET OR BALL FORM)

- DRILL BIT-WONDER WALNUT-SAPP-SLICK
- FOAM-CONDENSATE FOAM-OIL FOAM
- LIQUID FOAM-SAND FOAM-KWIK FOAM
- SELF AGITATING FOAM
- GAS GENERATING (AGITATING)
- COMBO FOAM-CONDENSATE FOAM
- COMBO FOAM-CORROSION INHIBITOR
- ACID-ACID CAP (ACIDIZING)
- CORROSION INHIBITOR (TYPE A-B-C)
- SCALE INHIBITOR-SALT INHIBITOR
- ASPHALTENE DISPERSANT
- PARAFFIN INHIBITOR
- ACID & ACID CAP (WELL ACIDIZING)
- CORROSION & ACID PELLETS
- PARAFFIN & SCALE PELLETS
- H2S SCAVENGER-IRON SULPHIDE (THPS)
- OXYGEN SCAVENGER
- CORROSION OXYGEN SCAVENGER
- COAL BED METHANE-DEFOAMER
- WATER SOLUBLE EMPTY TUBES
- WATER SOLUBLE PIGS
- OIL SOLUBLE PIGS



SOLID SOLUTIONS FOR PRODUCTION – MAINTENANCE & DRILLING

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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OIL & GAS FIELD SPECIALTY STICKS

Sticks to meet all kinds of well situations, be it asphaltene's, paraffin's, salt, scale, corrosion, injection wells and many others we have a solution.

(Stock sizes in Red – Other Sizes to be Manufactured 2-3 weeks)


"COR-FOAM CORROSION/SOAP STICKS"

A unique chemical stick that contains 100% active ingredients that **protect wells from corrosion and produce high amounts of foam**. This product is contained in a water soluble tube with soluble caps.

	<i>Cor-Foam Corrosion/Foamer Stick</i>	<i>Sizing-Part Numbers</i>	<i>Packaging: Water Soluble Tube</i>	<i>Color: Tan-White</i>
		1 1/4 X 9 – ACL-5540		


"COR-SCAV (CORROSION-OYGEN SCAVENGER) STICKS"

This stick is used in operations where wells have been **depleted of their production & are to be plugged and abandoned**. The wells have untreated water pumped down the annulus as a purging agent. This water over a period can cause degradation on metal surfaces, causing loss and or leakage. High concentrations of both products in the stick when added to fluids **will form a strong organic film on the metal surfaces & absorb the free oxygen in the fluids to prevent corrosion attack** to the metal surfaces.

	<i>Cor-Scav (Corrosion-Oxygen Scav.) Stick</i>	<i>Sizing & Part Numbers</i>	<i>Packaging: In a Cardboard Tube</i>	<i>Color: Tan-White</i>
		1 1/4 X 15 – ACL-0650		


"CORROSION INHIBITOR (CORROSION-OIL) STICKS TYPE "A"

A **Water Dispersible and Oil-Soluble Sticks** that contain a **blend of Imidazolines** which have **excellent filming characteristics and low emulsion tendencies**. This unique blend gives effective corrosion control for most oil field corrosion problems

	<i>Corrosion Inhibitor Type "A" Stick</i>	<i>Sizing & Part Numbers</i>	<i>Packaging: Cardboard Tube</i>	<i>Color: Tan Dark</i>
		3/4 x 15 – ACL-6020	1 x 15 – ACL-6035	1 1/4 X 15 – ACL-6050
			1 3/8 X 16 – ACL-6070	1 5/8 x 18 – ACL-6080


"CORROSION INHIBITOR (CORROSION-WATER GAS WELL) STICKS TYPE "B"

Water-soluble sticks designed to release corrosion inhibitor and control corrosion from various sources. **CORROSION INHIBITOR STICKS™ TYPE "B"** contains **Amine Salt** in stick form.

	<i>Corrosion Inhibitor Type "B" Stick</i>	<i>Sizing & Part Numbers</i>	<i>Packaging: Cardboard Tube</i>	<i>Color: Off White</i>
		3/4 x 15 – ACL-6120	1 x 15 – ACL-6135	1 1/4 X 15 – ACL-6150
			1 3/8 X 16 – ACL-6170	1 5/8 x 18 – ACL-6180

"CORROSION INHIBITOR (CORROSION-WATER GAS WELL) STICKS TYPE "C" or "RB"

Water-soluble sticks designed to release corrosion inhibitor & control corrosion from various sources. **Corrosion Inhibitor Sticks C & RB** are especially effective in preventing **Hydrogen Sulfide corrosion** caused by sulfide reducing bacteria. Results of effective treatment will be **reduced corrosion rates, a reduction in iron counts and iron sulfide deposits**

	<i>Corrosion Inhibitor Type "C-RB" Stick</i>	<i>Sizing & Part Numbers</i>	<i>Packaging: Water Soluble Tube</i>	<i>Color: Dark Tan</i>
		3/4 x 15 – ACL-6220RB	1 x 15 – ACL-6235	1 1/4 X 15 – ACL-6250
			1 3/8 X 16 – ACL-6270	1 5/8 x 18 – ACL-6280



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"PARAFFIN INHIBITOR (PARAFFINS) STICKS"

A **Oil-soluble** stick that release's paraffin inhibitor to help reduce paraffin deposition from crude oil in production systems. The **PARAFFIN INHIBITOR STICK** contains a combination of **micro-crystalline wax & special crystal modifiers**. These ingredients contribute to an effective inhibiting process on certain ranges of molecular weight paraffin's.

	<u>Paraffin Inhibitor Stick</u>	<u>Sizing-Part Numbers</u>	<u>Packaging: Cardboard Tube</u>	<u>Color: Brown</u>
	3/4 x 15 – ACL-7020	1 x 15 – ACL-7035	1 1/4 X 15 – ACL-7050	1 3/8 X 16 - ACL-7070 1 5/8 x 18 – ACL-7080


"ASPHALTENE (ASPHALTENES) STICKS"

This stick that **keeps asphaltenes solublized (in suspension) and dispersed to avoid re flocculation (rejoining of particles) and reduce the size of particles**. The **ASPHALTENE STICK** also works well in oil-wells to thin and disperse Paraffin's. Formulated to allow increased contact between solvents and deposits even in the presence of water.

	<u>Asphaltene Stick</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Cardboard Tube</u>	<u>Color: White</u>
	3/4 x 15 – ACL-7320	1 x 15 – ACL-7335	1 1/4 X 15 – ACL-7350	1 3/8 X 16 - ACL-7370 1 5/8 x 18 – ACL-7380


"SCALE INHIBITOR (SCALE) STICKS"

This stick contains chemicals that **help prevent carbonate types of scale from depositing downhole in oil and gas wells, casing, tubing, and flow lines**. It is also very useful to include **ACID STICKS** in this type of treatment since **ACID STICKS** will remove carbonate types of scale after being deposited, also neutralizing scale in solution.

	<u>Scale Inhibitor Stick</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Water Soluble Tube</u>	<u>Color: Off White</u>
			1 1/4 X 15 – ACL-6550	1 3/8 X 16 - ACL-6570 1 5/8 x 18 – ACL-6580


"RED SEA SALT (SALT PREVENTION) STICKS"

Water that enters the well bore contains various amounts of salts (sodium chloride and other salts) dissolved in the water. Often, as the fluid moves up the casing or tubing, these dissolved salts will precipitate out and reduce the opening in the pipe and in some instance totally plug the pipe. **This stick will help keep the salt in solution by chelating action**

	<u>Red Sea Salt Sticks</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Cardboard Tube</u>	<u>Color: Red Speck</u>
			1 5/8 X 16 - ACL-1170	

"NEW MEXICO SALT (SALT PREVENTION & BREAKUP) STICKS"

Water that enters the well bore contains various amounts of salts (sodium chloride and other salts) dissolved in the water. Often, as the fluid moves up the casing or tubing, these dissolved salts will precipitate out and reduce the opening in the pipe and in some instance totally plug the pipe. **This stick will help keep the salt in solution by chelating action**. Half of this stick is an **ACID STICK** which helps breakup the salt already formed.

	<u>New Mexico Salt Sticks</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Water Soluble Tube</u>	<u>Color: Brown/White</u>
	3/4 x 15 – ACL-1020	1 x 15 – ACL-1035	1 1/4 X 15 – ACL-1050	1 3/8 X 16 - ACL-1070 1 5/8 x 18 – ACL-1080



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"SAND (SAND/SILT/SLUDGE DISPERSANT C/W FOAMER) STICKS"

Designed to convert dense sludge and silt deposits into light non adherent agglomerates that permit easy dispersion. Foaming agents aid in the unloading of natural gas wells where water buildup reduces production. Works excellently in wells that contain condensate up to 65% Condensate.

	Sand Sticks	Sizing-Part Numbers	Packaging: Cardboard Tube	Color: Yellow
	3/4 x 15 – ACL-3520	1 x 15 – ACL-3535	1 1/4 X 15 – ACL-3550	ACL-3570 – 1 3/8 X 16


"ACID (SCALE/SALT/SAND)(MAINTENANCE) STICKS"

Water-soluble sticks that release acid downhole in injection wells to remove carbonate scale & rust deposits. **Acid Sticks** are a combination of acid, surfactant, dispersing agent, iron sequestrator, and inhibitor in solid form. This stick is **30% active**.

	Acid Stick	Sizing & Part Numbers	Packaging: Cardboard Tube	Color: White
	3/4 x 15 – ACL-2020	1 x 15 – ACL-2035	1 1/4 X 15 – ACL-2050	1 3/8 X 16 - ACL-2070 1 5/8 x 18 – ACL-2080


"ACID CAP (SCALE/SAND/SALT/PLUNGER/INJECTION WELLS/WELL CLEANOUT) STICKS"

Water-soluble sticks that release acid down-hole in water injection wells to remove carbonate scale and rust deposits. **Acid Cap Sticks** are **100% active**. **SEE SECTION UNDER TREATMENTS ON TREATING A WELL**

	Acid Cap Sticks	Sizing & Part Numbers	Packaging: Water Soluble Tube	Color: Off White
	3/4 x 15 – ACL-2120		1 1/4 X 15 – ACL-2150	


"BUG (SRB) TREATING STICKS--EVIROBROM G BIOCIDAL STICKS "

This stick **incorporates 2,2-dibromo nitrilopropionamide (DBNPA), a fast-acting non-oxidizing biocide**, and Enviro Tech's proprietary controlled release technology in a water soluble stick to deliver the most potent biocidal activity and persistent kill dynamics. The water soluble stick completely dissolves releasing the DBNPA biocide granules into the water. **ENVIRO BROM® G STICKS DBNPA granules will be most effective in water at a pH below 9.** The DBNPA granules are packaged individually in 14" sticks containing 0.6 lbs (270 g) of granules in each stick. **ENVIRO BROM® G STICKS** are composed of 95.6% DBNPA, with the balance a proprietary inert package providing controlled release performance. **(Not Available in Canada)**

	Red Sea Salt Sticks	Sizing & Part Numbers	Packaging: Cardboard Tube	Color: White
		1 1/4 x 15 – ACL-8650		

"ANTI FREEZE (HYDRATE INHIBITOR) STICKS"

Special water-soluble sticks containing a combination of stabilizers and glycol-based antifreeze. **Glycol-based antifreeze and stabilizers produces an aqueous product, which can help reduce the freeze point of the produced water** in the production string, flow lines and surface equipment.

	Anti Freeze Sticks	Sizing & Part Numbers	Packaging: Water Soluble Tube	Color: Light Green
		1 1/4 X 15 – ACL-ANTI		



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"H₂S (HYDROGEN SULPHIDE SCAVENGER STICKS)"

This **organic sulfide scavenger** designed to help down-hole with hydrogen sulfide that is entering the well from the bottom perforated area and creating problems for the well system.

	<u>H₂S Scavenger Sticks</u>	<u>Sizing-Part Numbers</u>	<u>Packaging: Water Soluble Tube</u>	<u>Color: Off White</u>
		1 1/4 X 15 – ACL-0950		


"IRON SULPHIDE DISSOLVER STICKS"

THPS iron sulphide dissolver stick in solid form

	<u>Iron Sulphide Dissolver Sticks</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Water Soluble Tube</u>	<u>Color: Off White</u>
		1 1/4 X 15 – ACL-THPS		


"OXYGEN SCAVENGER STICKS"

Primarily recommended for use to **control oxygen induced corrosion by scavenging the oxygen out of the fluid and aid in solids removal while reducing breeding grounds for micro-organisms** in water injection systems (water hauling truck tanks, storage tanks, wells, and flow lines).

	<u>Oxygen Scavenger Sticks</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Paper Tube</u>	<u>Color: White</u>
		1 1/4 X 15 – ACL-0850		


"FULL DRIFT-PLUNGER LOOSENING TUBE CLEANING STICKS"

This stick is designed to **loosen plungers, knock off impurities on the bumper spring and clean your tubing on the way down**. It is specifically manufactured to 1.9 x 18 inches to send like a scrubber and when hitting the bottom with force loosening things. It also contains a soap which will help the well both in water or condensate. This stick is very successfully used by many companies'

	<u>OilFoam Special Sticks</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Cardboard Tube</u>	<u>Color: Blue</u>
				1.9 x 18-ACL-8092

"WATER SOLUBLE TUBES (FILLABLE TUBES CAPPED ONE END/1 LOOSE) STICKS"

The entire stick (tube, caps, and contents) are water-soluble. This product can be filled with liquid on site to deliver the chemical it contains directly to the source of the problem that is occurring. Weather it be FOAMERS or DISPERSANTS this stick will get it there fast. **Caps Can be Salt Caps Or Water Soluble Caps.**

	<u>Water Soluble Tubes c/w Caps</u>	<u>Sizing & Part Numbers</u>	<u>Packaging: Water Soluble Tube</u>	<u>Color: Brown/White</u>
	3/4 x 15 – ACL-9520	1 x 15 – ACL-9535	1 1/4 X 15 – ACL-9550	1 1/4 X 18 - ACL-9575



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ALTACHEM LTD. OIL & GAS FIELD SOAP STICKS

(Some of the Countries & Companies that have used Solid Chemical Products)

-USA -CANADA -MEXICO -COLUMBIA -PERU -CHILE -INDIA -LYBIA -OMAN

-BRITAIN -NIGERIA -MALAYSIA -INDONESIA -UAE -SAUDI ARABIA -ARGENTINA

There are many other major companies using Solid Chemical Products world wide

