altachem@gmail.com http://www.altachem.ca 5507-76th Avenue. W Edmonton,AB. CanadaT6B 0A7 <u>altachem@shaw.ca</u> <u>http://www.altachem.net</u> World Wide Whatsapp: +780-907-2357

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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 AGIGITATING 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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Oilfield Specialty Chemical Pellets

Pellets to meet all kinds of well situations, be it water, condensate, a dead well, paraffin's, asphaltenes, salt, scale, corrosion, injection wells and many others we have a solution.

"HIGH FOAM SOAP PELLETS"

These pellets contain 100% active foamer in pellet form that can produce a high degree of foam. These pellets can develop stable foam in high temperature deep gas wells and works in well's that contain up to 65% condensate. <u>Wells that contain >65%</u> <u>should use the OILFOAM (CONDENSATE) PELLETS.</u>

40 LB. – (ACL-SFP -40) 250 LB. – (ACL-SFP -250)	Soap Pellets Sizing & Part Numbers Packaging	Soap Pellets	<u>Sc</u>	SHIELD.
	40 LB. – (ACL-SFP -40)	40 LB. – (ACL-SFP -40)	I.X	a sugar the second
<u>"OILFOAM (CONDENSATE) SOAP PELLETS"</u>	<u>"OILFOAM (CONDENSATE) SOAP PELLETS"</u>	<u>"OILFOAM (</u>		

Used to increase production by removing condensate & water from gas- condensate wells. Water must be present to enhance foaming action in wells with BHT less than 130F. <u>Designed for wells where the column has >65% condensate</u>.

SCHOOL SHOW	<u>Oilfoam (Condensate) Pellets</u>	Sizing & Part	t Numbers Po	ackaging: Pail or Drums	<u>Color: Blue</u>
Second and	40 LB. – (ACL-OFP40)			250 LB. – (ACL-OFP-250)

<u>"GAS –SWAB-CO2 AGITATING PELLETS"</u>

Water-soluble pellets designed to generate and provide strong agitation to the foamer in a totally dead watered gas wells. <u>GAS</u> /SWAB/CO2 PELLETS contains a high preforming gas producing agent which together with foam pellets helps kick off dead wells.

	Paraffin Inhibitor Pellets	Sizing & Part	Numbers	<u>Packa</u>	aging: Pail or Drums	<u>Color: White</u>
	40 LB (ACL-GP-40)				250 LB. – (ACL-GF	P-250)

"ASPHALTENE DISPERSANT PELLETS"

These pellets <u>disperse and keep asphaltenes solublized (in suspension) & dispersed to avoid reflocculation (rejoining of particles)</u> <u>and reduce the size of particles.</u> The <u>ASPHALTENE DISPERSANT PELLET</u> 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.



"PARAFFIN INHIBITOR PELLETS"

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

	Paraffin Inhibitor Pellets	Sizing & Part	<u>Numbers</u> <u>Pac</u>	kaging: Pail or Drums	<u>Color: Dark Brown</u>
	40 LB. – (ACL-PIP40)			250 LB. – (ACL	-PIP250)

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Oilfield Specialty Chemical Pellets

Pellets meets all kinds of well situations, paraffin's, salt, scale, corrosion, injection wells and many others.

"CORROSION INHIBITOR (TYPE "A-B OR C") PELLETS"

Water-soluble pellets designed to release corrosion inhibitor and control corrosion from various sources. <u>CORROSION</u> <u>INHIBITOR PELLETS</u> exhibit surface activity which aids in solids removal and control while helping the breeding grounds for microorganisms. CORROSION INHIBITOR PELLETS contain Ammonium Quaternary Salt.

	Corrosion Inhibitor Pellets	Sizing & Part Numbers	<u>Pac</u>	kaging: Pail or Drums	<u>Color: Off White</u>
	40 LB.- (ACL-CIP Type A,B,	,C-40)		250 LB. – (ACL-CIP 1	Туре А,В,С-250)

"THPS PELLETS"

Water soluble iron sulphide dissolvers in a solid pellet form. <u>THPS PELLETS</u> are recommended for control in oilfield water as well as petrochemical and other industrial waters. <u>IRON PELLETS</u> are a combination of organic acids, surfactant, dispersing agent, iron sequester and inhibitor in solid pellet form. <u>They are specifically designed to clean up mineral scales and iron compounds and keep them in solution in water injection wells. Producing oil and gas wells and water/oil tanks.</u>

	Paraffin Inhibitor Pellets	Sizing & Part Numbers		Pac	Packaging: Pail or Drums Color: Dark Bro	
	40 LB. – (ACL-THPS-40)				250 LB. – (ACL-1	ГНРЅ-250)

"SCALE INHIBITOR PELLETS SIP-100"

This pellet exhibits what is known as the "threshold effect". This happens when very small amounts of a scale inhibitor can keep large quantities of scalants in solution. The phosphonates are very effective threshold scale inhibitors. <u>Data shows that one</u> <u>molecule of phosphonate can inhibit 5,000 to 10,000 molecules</u>. This appears to be done under present theory by absorption of the threshold agent on the "growth sites" of the scalant crystal; thereby the growth pattern is altered so crystals are formed more slowly and are not as likely to join together to form scaling problems. They can be considered as distorted.

355 100 100	Scale Inhibitor Pellets	Sizing & Part	t Numbers Pe	ackaging: Pail or Drums	<u>Color: White</u>
the anterior and	40 LB. – (ACL-SIP40)			250 LB	. – (ACL-SIP250)

"SALT INHIBITOR PELLETS"

In many gas wells the water that enters the well bore contains various amounts of salts (sodium chloride and other salts) dissolved in the water. Often, the fluid moves up the casing or tubing, these dissolved salts will precipitate out and reduce the opening in the pipe and in some instances totally plug the pipe.

SSI STATE	Salt Inhibitor Pellets	Sizing & Part	t Numbers P	ackaging: Pail or Drums	<u>Color: White</u>
the antipate and	40 LB. – (ACL-SSP40)			250 LB	– (ACL-SSP250)

<u> "ACID PELLETS (S & B PELLETS)"</u>

Water-soluble pellets designed to <u>release acid down-hole in water injection and producing wells to remove carbonate scale and</u> <u>rust deposits.</u> Pellets are a combination of acids, surfactant, dispersing agent, iron sequester and inhibitor in a solid pellet form



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ALTACHEM LTD. OIL & GAS FIELD SOLID PRODUCTS

WE HAVE THE ABILTY TO MAKE MOST OF THESE FORMULASIONS IN A ROUND BALL, PELLETS AND STICKS IN MANY DIFFERENT SIZES AND ALSO CAN FORMULATE OUR PRODUCTS WITH YOUR OWN FORMULATIONS WHICH ARE PROTECTED WITH A NON DISSCLOSURE AGREEMENT MAKING THIS YOUR OWN PRODUCT DEVELOPEMENT. IF YOU HAVE A SPECIFIC REQUIREMENT CONTACT US AND WE WILL SEE IF ITS POSSIBLE TO MAKE IN A SOLID FORM.

(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

