



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-2000 Series

EDMONTON STOCK SIZE

SELECT: S & B PELLETS

ACID INHIBITOR PELLETS

(Injection Wells – Well Maintenance –Scale –Sand – Rust –Sludge- Lime)

			Color – Brown	Packaging – 40 lb. Pail
			TDG – Regulated Product	Allowable – Air or Ocean Freight
ACID INHIBITOR PELLETS			STICKS INITIAL SLUG TREATMENT	Weight Ea. Stick.
5/16"	.3125	7.9375 mm	1.8 to 5.4 lbs. Per ft. of perforated Interval	13.9 oz 0.86875 lbs 394.4125 g.
HS Code	3824.99.9297		Regulations	TDG
Form	Solid		Melting Point	N/A
Color	Brown		Solubility in Water	100%
pH	1.5 to 2.5		Solubility in Brine	100%
Specific Gravity	1.20 – 1.25		Solubility in Crude	Insoluble

ACID INHIBITOR PELLETS (AC-2000) are water soluble pellets designed to release acid downhole in water injection and producing wells to remove carbonate scale and rust deposits.

ACID INHIBITOR PELLETS (AC-2000) are a combination of acids, surfactant, dispersing agent, iron sequester and inhibitor in a solid pellet form

PRODUCT USES

ACID INHIBITOR PELLETS (AC-2000) are primarily recommended for use in water injection wells and producing wells to remove carbonate scale, rust deposits and lower injection pressure on injection wells. Injection pressure drops of several hundred PSI have been observed following **ACID treatments**. Some wells have gone on vacuum and taken water by gravity. Success also has been experienced in some oil and gas producing wells and water supply wells by increasing flow rates.

ACID INHIBITOR PELLETS (AC-2000) can be applied directly into the well or introduced to the water system through the water supply tank. In producing pumping wells the

ACID INHIBITOR PELLETS (AC-2000) can be introduced through a slug pot connected to the casing and flushed down the annulus by adding produced fluids into the pot to wash the pellets down hole, provided there is no isolation packer down hole. Dropping the pellets directly into the well is best because not as much dilution of the material will occur. In wells with tubing obstructions or small valve openings, **ACID** may be successfully used by first dissolving the pellets in fresh water and then pumping or pouring the solution into the well.

PRODUCT ADVANTAGES

ACID INHIBITOR PELLETS (AC-2000) are very economical (as compared to conventional scale removal operations) and can eliminate or delay the need for HCL acid treatments. Continuous treatment with **ACID INHIBITOR PELLETS (AC-2000)** (especially after a conventional acid or clean-out job) can extend the time period between future scale removal operations.

ACID INHIBITOR PELLETS (AC-2000) are less corrosive to steel pipe than conventional liquid HCL acid jobs because most of the acid generated by the pellets are released down hole. Conventional liquid HCL acid reacts with the steel, rust, and scale inside the pipe all the way down the well.

ACID INHIBITOR PELLETS (AC-2000) are corrosion inhibited and mildly corrosive to steel (like inhibited amido sulfonic acids).

ACID INHIBITOR PELLETS (AC-2000) are safe to handle and easy to use by less experienced field personnel, however like all acids, contact with eyes or skin should be avoided and SDS Sheets should be reviewed for additional safe handling measures before handling any such material.

ACID INHIBITOR PELLETS (AC-2000) for short periods of time are safe to use in cement lined tubing and plastic lined tubing. Continued treatments over long periods of time through a by-pass feeder into cement lined pipe should be avoided.

SAFETY & HANDLING

Please refer to SDS prior to using this product. As with all industrial chemicals, contact with eyes or skin should be avoided. If contact with skin is made wash thoroughly with water. Pellets should be stored in a cool dry place. Always remove pellets from the container with the provided scoop while wearing rubber gloves to avoid skin contact. Goggles are advised..

DISCLAIMER OF LIABILITY

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TREATMENT DETERMINATION & PROCEDURE

ACID INHIBITOR PELLETS (AC-2000) dissolve slowly and releases the chemical into the system. The amount of pellets required is based on the volume of water to be treated, number of feet of perforated interval or open hole and severity of scale build up down hole and on the metal surfaces. Field tests indicate that the best results were achieved by using a larger initial slug treatment (1.8 to 5.4 lbs of pellets per foot of interval) followed by smaller periodic treatments of (.75 to 2.5 lbs. of pellets per foot of interval). A small application scoop is provided with each container of product sold.

It is often best to slug the system with the initial slug treatment and then periodically add the reduced treatment rate to maintain control of the problem.

NOTE:

A REACTIVE EQUIVALENCY of **ACID INHIBITOR PELLETS (AC-2000)** vs. HCL ACID RATIO was determined by field tests. These tests indicated the approximately **15 pounds of ACID INHIBITOR PELLETS (AC-2000) dropped in an injection well resulted in an equivalent pressure drop as did using 120 gallons of 15% HCL Acid.** Liquid HCL acid loses strength by reacting on the steel, scale and rust inside of the pipe all the way down the well while the pellets release most of their acid down hole in the produced fluid and where the problem areas are most commonly encountered.

PRODUCT SPECIFICATIONS

ACID INHIBITOR PELLETS (AC-2000) are a white to off-white pellet with a specific gravity of 1.20 - 1.25. This pellet will therefore fall quite readily in Heavy Brine.

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