



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-70 Series

EDMONTON STOCK SIZE

Select Part No: Paraffin Inhibitor

PARAFFIN INHIBITOR STICKS (PARAFFIN INHIBITION – DISPERSANT - SOFTENER)

			Color – Light Brown	Packaging – Cardboard Tube		
			TDG – Non-Regulated Product	Allowable – Air or Ocean Freight		
PARAFFIN INHIBITOR STICK SIZES			STICKS INITIAL SLUG TREATMENT		Weight Ea. Stick.	
1 x 15	1 x 15	25.4 x 381 mm	1 Sticks Per 10 BBLS of Fluid		7.5 oz.	.475 lbs. 215.65 g.
1 1/4 x 15	1.25 x 15	31.75 x 381 mm	1 Sticks Per 27 BBLS of Fluid		10.8 oz.	0.675 lbs. 306.45 g.
1 3/8 x 16	1.375 x 16	34.925 x 406.4 mm	1 Sticks Per 41 BBLS of Fluid		12.8 oz.	0.8 lbs. 363.2 g.
1 5/8 x 18	1.675 x 18	34.925 x 406.4 mm	1 Sticks Per 82 BBLS of Fluid		13.7 oz.	0.85625 lbs. 388.7375g.
HS Code	3402.13.00		Regulations		NON-TDG	
Form	Solid		Melting Point		140°F – 60°C	
Color	Light Brown		Solubility in Water		100%	
pH	5 – 6.5		Solubility in Brine		100%	
Specific Gravity	.83		Solubility in Crude		Insoluble	

NOTE:

Superior results are obtained by using **PARAFFIN INHIBITOR STICKS™** regularly and immediately after a well is cleaned. To successfully control any paraffin problem, the inhibitor insertion into the fluid stream must be constant and be present in fluid before paraffin deposition starts to occur. For best results in intermittent treatment increase the number of sticks accordingly. Stick will float and dissolve at oil and water contact point in well.

PARAFFIN INHIBITOR STICKS™ are primarily used to prevent paraffin deposition in crude oil production systems.

PARAFFIN INHIBITOR STICKS are not designed to remove existing paraffin deposits but can soften these deposits and often make conventional paraffin cutting operations easier and faster.

PRODUCT USES & ADVANTAGES

PARAFFIN INHIBITOR STICKS™ inhibit paraffin deposition by the crystal modification method. This method keeps paraffin particles from sticking together.

PARAFFIN INHIBITOR STICKS™ are effective on certain ranges of molecular weight paraffin's. Testing the sticks for effectiveness can be done by simply trying the sticks in the field or by testing the crude oil in the laboratory. To be effective, the inhibitor must be in solution in the oil before paraffin precipitation starts to occur.

PARAFFIN INHIBITOR STICKS™ are very economical (as compared to conventional paraffin cutting and removal operations) and can eliminate or delay the need for conventional paraffin removal operations. Continuous treatment with **PARAFFIN INHIBITOR STICKS™** (especially after a conventional paraffin removal job) can extend the time period between future operations.

PARAFFIN INHIBITOR STICKS™ are safe to handle and easy to use by less experienced field personnel and are compatible with normal oil field corrosion inhibitors and production chemicals.

PARAFFIN INHIBITOR STICKS™ can be dropped directly into a producing well or inserted into an oil flow line (using a T-Connection Pipe) or dropped into the oil storage tanks. Dropping the sticks directly into the well is more desirable as more of the production system can be protected.

PARAFFIN INHIBITOR STICKS™ are economical (as compared to convention corrosion control operations) and saves investment in pumps, drums of chemical, and equipment maintenance.

SAFETY & HANDLING

Please review SDS prior to using this product. As with all industrial chemicals, contact with eyes or skin should be avoided. Wash thoroughly with water if contact with skin is made. Balls should be stored in a cool dry place. Always remove ball from plastic bag or cardboard tube before using. Bag or tube can be used as a glove to avoid contact with hands.

DISCLAIMER OF LIABILITY

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TREATMENT DETERMINATION & PROCEDURE FOR WATER REMOVAL

The number of ***PARAFFIN INHIBITOR STICKS™*** is based on the volume of crude oil to be treated. Laboratory tests indicate that periodic treatments of 50 PPM can help control paraffin deposition. A treatment of 50 PPM would require 0.37 lbs of ***PARAFFIN INHIBITOR STICK™*** per 24 BBL'S (1,000 gallons) of crude oil produced.

PRODUCT SPECIFICATIONS

The stick will dissolve slowly in 1 to 4 hours and release inhibitor gradually into the production system depending on temperature, crude oil solubility, and relative fluid motion. The stick will melt at 140°F. The stick will dissolve in oil in wells with BHT less than 140° (just at a slower rate). The specific gravity is 0.83. The falling velocity through oil is approximately 100 feet per minute.

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