

Paraffin Inhibitor Sticks

PARAFFIN INHIBITOR STICKS™ are oil-soluble sticks that release paraffin inhibitor to help reduce paraffin deposition from crude oil in production systems. PARAFFIN INHIBITOR STICKS™ contain a combination of micro-crystalline wax and a special crystal modifier. These ingredients contribute to an effective inhibiting process on certain ranges of molecular weight paraffin's.

PRODUCT USES & ADVANTAGES:

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.

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.

TREATMENT DETERMINATION & PROCEDURE

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.

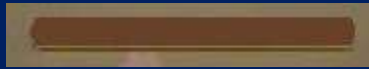
ALTACHEM LTD.

5507-76th Ave. EDMONTON, AB. T6B 0A7

Cell: (780) 907-2357 (Peter)

FAX: 780-414-1446

Email: altachem@shaw.caPH: 780-414-1445
www.altachem.caTF: 1-866-414-1445
www.altachem.net



Tech Data Sheet
ACL-70 (AC-70) SERIES

PARAFFIN INHIBITOR STICK
CARBOARD TUBE (BROWN)

Tech Data Sheet
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PART NUMBER	STICK SIZES	STICK RATIO INITIAL SLUG TREATMENT
ACL-5020	3/4 X 15	1 STICK PER 10 BBL's OF Total Fluid
ACL-5035	1 X 15	1 STICK PER 27 BBL's OF Total Fluid
ACL-5050	1 1/4 X 15	1 STICK PER 41 BBL's OF Total Fluid
ACL-5070	1 3/8 X 5 1/2	1 STICK PER 56 BBL's OF Total Fluid
ACL-7080	1 5/8 X 18	1 STICK PER 82 BBL's OF Total Fluid

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.***

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.

FOR INDUSTRIAL USE ONLY:

CAUTION: As with all industrial chemicals, contact with eyes or skin should be avoided. Wash thoroughly with water. Pellets should be stored in a cool dry place. Always remove pellets from the container with the scoop provided while wearing rubber gloves to avoid skin contact. Goggles are advised.

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