



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-73 Series

EDMONTON STOCK SIZE

Select No: N/A

ASPHALTENE DISPERSANT STICK (ASPHALTENE DISPERSANT-OIL THINNER)

			Color – White	Packaging – Cardboard Tube
			TDG – Non-Regulated Product	Allowable – Air or Ocean Freight
ASPHALTENE DISPERSANT STICK SIZES			STICKS INITIAL SLUG TREATMENT	Weight Ea. Stick.
1 1 / 4 X 15	1.25 X 15	31.75 X 381 mm	1 Stick per 20 BBLS of Fluid	10.8 oz 0.675 lbs 306.45 g.
HS Code	3404.20.20		Regulations	NON TDG
Form	Solid		Melting Point	123°F – 50.5°C
Color	White		Solubility in Water	100%
pH	5 – 6.5		Solubility in Brine	100%
Specific Gravity	1.08		Solubility in Crude	Insoluble

NOTE:

Superior results are obtained by using **ASPHALTENE STICKS™** regularly. To successfully control any asphaltene problem, the dispersant insertion into the fluid stream must be constant and be present in fluid before buildup starts to occur. For best results in intermittent treatment increase the number of sticks accordingly. In natural gas wells it is optimum to drop on days a soap stick is not introduced in the formation.

ASPHALTENE STICKS™ are oil-soluble sticks and water soluble sticks that release dispersant to help reduce asphaltene and paraffin deposition from natural gas and crude oil in production systems. **ASPHALTENE STICKS™** contain a combination of products to help stabilize the system. These ingredients contribute to an effective process on certain ranges of molecular weight paraffin's and asphaltene's.

PRODUCT USES & ADVANTAGES

ASPHALTENE STICKS™ used to prevent asphaltene and paraffin build up in crude oil and gas production systems. **ASPHALTENE STICKS™** are not designed to remove existing paraffin deposits but can soften these deposits and often make conventional paraffin cutting operations easier and faster. Also dilutes heavier oils in natural gas systems to make them lighter so the well can unload while keeping buildup on perforations at a minimum as well as breaking apart the asphaltenes allowing clean perforations and thinner flowing oil in the system.

ASPHALTENE STICKS™ helps thin out heavy oils (asphaltene's). Keeps asphaltene particles from sticking together. Effective on certain ranges of paraffin's and all types of asphaltene in gas wells. Testing the sticks for effectiveness can be done by trying the sticks in the field or by testing the asphaltene solution in the laboratory. To be effective, the stick must be in solution water before asphaltene dissipation occur.

Continuous treatment with **ASPHALTENE STICKS™** can extend the time period between future operations.

ASPHALTENE STICKS™ can keep your well flowing preventing buildup on the perforations and keeping the asphaltene's in lighter form so.

ASPHALTENE 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. **ASPHALTENE STICKS™** are economical (as compared to convention and saves investment in pumps, drums of chemical.

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

The information in this bulletin is believed to be accurate; however all recommendations are made without warranty since the conditions of use are beyond Altachem Ltd. control. Altachem disclaims any liability in connection with the use of the information and does not warrant against infringement by reason of the use of any of its' products in combination with any other material or in any process.



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-73 Series

EDMONTON STOCK SIZE

Select No: N/A

TREATMENT DETERMINATION & PROCEDURE FOR WATER REMOVAL

The number of **ASPHALTENE STICKS™** is based on the volume of fluid to be treated. Laboratory tests indicate that periodic treatments of 50 PPM can help control deposition. A treatment of 50 PPM would require 0.37 lbs. of **ASPHALTENE STICKS™** per 24 BBL'S (1,000 gallons) of produced fluid. Or in the case of natural gas well adding them the opposing day you would add soap sticks

PRODUCT SPECIFICATIONS

IN OIL--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.

IN WATER--The stick will dissolve in 12 to 24 minutes (in moving water or when falling through water) depending on temperature, salt content, and relative water motion. The stick will melt at 132°F. The stick will dissolve in water in wells with BHT below 132° (just at a slower rate). If slowing the dissolving rate is desired (for wells above 132°), coat **ASPHALTENE STICKS™** with oil or grease. The specific gravity is 1.15. The falling velocity through fresh water is approximately 100 feet per minute.

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

The information in this bulletin is believed to be accurate; however all recommendations are made without warranty since the conditions of use are beyond Altachem Ltd. control. Altachem disclaims any liability in connection with the use of the information and does not warrant against infringement by reason of the use of any of its' products in combination with any other material or in any process.