



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-80 Series

EDMONTON STOCK SIZE

Select Part No: OILFOAM

OILFOAM (CONDENSATE) STICKS

(EXCELLENT ON CONDENSATE TO 95% -HIGH HYDROCARBON-OIL THINNER)

			Color – Blue	Packaging – Cardboard Tube		
			TDG – Non-Regulated Product	Allowable – Air or Ocean Freight		
OILFOAM CONDENSATE STICK SIZES			STICKS INITIAL SLUG TREATMENT	Weight Ea. Stick.		
3/4 x 15	.75 X 15	19.05 x 381 mm	5-10 Sticks Per 1 BBL of Water	6 oz	.375 lbs.	170.25 g.
1 x 15	1 x 15	25.4 x 381 mm	3-6 Sticks Per 1 BBL of Water	7.5 oz	.475 lbs.	215.65 g.
1 1/4 x 15	1.25 x 15	31.75 x 381 mm	2-4 Sticks Per 1 BBL of Water	12 oz.	0.75 lbs.	383.5 g.
1 5/8 x 18	1.675 x 18	41.275 x 457.2 mm	1/2-1 Stick Per 1 BBL of Water	13.7 oz.	0.85625 lbs.	388.7375g.
5 x 18	1.9 x 18	48.26 x 457.2 mm	Specialty Stick	-	-	-
THE ESTIMATED HYDROSTATIC BACK-PRESSURE REDUCTION FOR EACH BARREL OF WATER REMOVED (FOR VARIOUS TUBING SIZES) IS SHOWN BELOW (BASED ON ,43 PSI PER FOOT OF DEPTH)						
2 3/8 “	2.375	60.325 mm	100 PSI REDUCTION FOR 1 BBL OF WATER REMOVED			
2 7/8”	2.875	73.025 mm	75 PSI REDUCTION FOR 1 BBL OF WATER REMOVED			
3 1/2 “	3.5	88.9 mm	50 PSI REDUCTION FOR 1 BBL OF WATER REMOVED			
HS Code	3402.1300.00		Regulations		TDG	
Form	Solid		Melting Point		130°F – 54.5°C	
Color	Blue		Solubility in Water		100%	
pH	6.5 – 7.5		Solubility in Brine		100%	
Specific Gravity	1.08		Solubility in Crude		Insoluble	

NOTE:

The above amount is recommended for an initial slug treatment. In many cases, removing the top few hundred feet of fluid may be sufficient to allow the production of natural gas to blow out the remaining fluid in the well. To determine the optimum amount for periodic treatments you may choose to gradually reduce the initial treatment amount until the most economical point is reached. Periodic treatments with **OILFOAM (CONDENSATE) STICKS** may be necessary to prevent production decline due to the gradual water build-up. It is much easier to maintain gas production with regular insertion of **OILFOAM (CONDENSATE) STICKS** than it is to kick off a dead well. Gas bubbling through water is necessary to create foam. If a well is totally dead, **GAS STICKS™** may be used in conjunction with **SUPER FOAM STICKS** (If there are high levels of condensate in the well a **SLICKWILLIE OILFOAM STICKS** can be used instead of the **SUPER FOAM STICKS** to provide the foam for agitation energy.

OILFOAM (CONDENSATE) STICKS are condensate-dispersible water-soluble sticks that contain surfactants that foam both the condensate and water column in gas-condensate wells. Used to increase gas production by removing condensate and water from gas-condensate wells.

PRODUCT USES & ADVANTAGES

OILFOAM (CONDENSATE) STICKS are designed to be used in wells with hydrocarbons higher than 60% making 3-5 barrels of water per day. Some water must be present to enhance the **OILFOAM (CONDENSATE) STICKS** foaming action in wells with BHT less than 130°F. **OILFOAM (CONDENSATE) STICKS** are recommended only when over 60% of fluid column is composed of condensate. If the fluid column contains over 40% water, it is recommended to use foam sticks designed for higher water content or a combination of both **OILFOAM (CONDENSATE) STICKS** and **foam sticks** to be more effective in removing the fluid.

OILFOAM (CONDENSATE) STICKS are an economical way to remove condensate and water from gas condensate wells without using expensive well service operations such as swabbing, jetting with coiled tubing, or installing artificial lift and siphon strings.

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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PRODUCT USES & ADVANTAGES (Continued)

OILFOAM (CONDENSATE) STICKS are primarily used to increase gas production by removing condensate and water from gas-condensate wells. The foaming action decreases the hydrostatic backpressure which increases gas production which further enhances the foaming action until the well unloads.

OILFOAM (CONDENSATE) STICKS can be used to increase the swabbing efficiency and life of swab cups

OILFOAM (CONDENSATE) STICKS can be used to remove fluid from gas-condensate wells and flowing oil wells. Some water must be present to enhance the foaming action in wells with BHT less than 130 degrees Fahrenheit.

TREATMENT DETERMINATION & PROCEDURE FOR WATER REMOVAL

The number of **OILFOAM (CONDENSATE) STICKS** to be used is based on the volume of fluid above the perforations. Field tests indicate that the best results were achieved by using a larger initial slug treatment of 1/2 to 1 percent by weight of **OILFOAM (CONDENSATE) STICKS** to fluid above the perforations. A treatment of 1/2 to 1 percent by weight would require approximately 1.75 to 3.50 lbs of stick per BBL of fluid.

THE MOST COMMON PROCEDURE

Is to shut-in the well and drop sticks through a lubricator. Wait 45 seconds until sticks contact top of fluid then slowly return well to normal production. Repeat procedure if or when it becomes necessary. **FOR HIGH-RATE WELLS** (after sticks have contacted the top of fluid) flow well at about 25% of pretreatment rate for about 20 minutes or until foam reaches surface then return to normal rate. **FOR SHALLOW OR LOW-RATE WELLS leave well flowing while dropping sticks if possible.**

PRODUCT SPECIFICATIONS

The stick will normally dissolve in 30 to 80 minutes depending on temperature, salt content, and relative fluid motion. Melting point of the sticks is 130°F. The stick will dissolve in water in wells with BHT below 130° (just at a slower rate). Lab tests indicate that the dissolving rate in moving diesel to be 80 minutes @ 100°, 24 minutes @ 120°, 7 minutes @ 140°, and 2 minutes @ 180°. The dissolving time will decrease if the sticks are broken before dropping or if they break upon impact with the top of the fluid. The specific gravity is 1.08. The falling velocity through fresh water is approximately 100 feet per minute. Gas moving up the tubing will often change falling characteristics.

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