



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-70 Series

TTS-Paraffin Inhibitor Stick

TTS-PARAFFIN INHIBITOR STICKS (PARAFFIN INHIBITION – DISPERSANT - SOFTENER)

			Color – Neutral		Packaging – Cardboard Tube		
			TDG – Non-Regulated Product		Allowable – Air or Ocean Freight		
TTS-PARAFFIN INHIBITOR STICK SIZES			STICKS INITIAL SLUG TREATMENT			Weight Ea. Stick.	
1 5/8 x 18	1.675 x 18	34.925 x 406.4 mm	1 Sticks Per 72 BBLS of Fluid			13.7 oz.	0.85625 lbs. 388.7375g.
HS Code	3402.13.00		Regulations			NON-TDG	
Form	Solid		Melting Point			121F	
Color	Neutral		Solubility in Water			100%	
pH	3 - 5		Solubility in Brine			100%	
Specific Gravity	1.1-1.3		Solubility in Crude			Insoluble	

TTS-PARAFFIN INHIBITOR STICKS™ is a water soluble solid designed specifically for controlled release of an oil soluble crystal modifier in water tanks for the oilfield, petrochemical and industrial industries. The TTS- Paraffin Inhibitor sticks contribute to an effective inhibiting certain ranges of molecular weight paraffins, however this product is not effective at removing existing deposits.

APPLICATION

TTS-PARAFFIN INHIBITOR STICKS™ are recommended for the prevention of paraffin deposition in crude oil tanks. This is accomplished by dropping the sticks through the hatch on the top of the tank, where the sticks fall through the fluids and dissolve in the water bottom of the tank releasing the paraffin inhibitor to migrate up to the oil. The crystal modifier keeps the paraffin particles from sticking together in certain ranges of paraffin. To be effective the TTS- Paraffin Inhibitor must be in solution before paraffin precipitation occurs.

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.

TREATMENT DETERMINATION

Testing indicated that TTS- Paraffin Inhibitor is most successful when applied at a rate concentration of 50 ppm. The exact amount required is based on the volume of fluid to be treated. Optimum treatment is determined by close monitoring of the tank conditions.

TTS- Paraffin Inhibitor Treatment Rate:

1 TTS- Paraffin Inhibitor per 72 bbl of oil.

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. Sticks should be stored in a cool dry place. Always remove stick from plastic bag or cardboard tube before using. Bag or tube can be used as a glove to avoid contact with hands.

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