



ALTACHEM LTD.

Technical Data Sheet

Altachem Part No: AC-14 Series

EDMONTON STOCK SIZE

Select: AntiFreeze Inhibitor Sticks

ANTIFREEZE INHIBITOR STICK

(Glycol-Pipeline-Well-Condensation Treatment-Hydrate Preventer)

			Color – Light Green	Packaging – Cardboard Tube
			TDG – Non-Regulated Product	Allowable – Air or Ocean Freight
ANTI-FREEZE INHIBITOR STICK SIZES			STICKS INITIAL SLUG TREATMENT	Weight Ea. Stick.
1 1 / 4 X 15	1.25 X 15	31.75 X 381 mm	1 to 2 Sticks 3 times a week	11.6 oz 0.725 lbs 329.15 g.
HS Code	2905.31.00		Regulations	NON TDG
Form	Solid		Melting Point	123°F – 50.5°C
Color	Light Green		Solubility in Water	100%
pH	6.5 - 8		Solubility in Brine	100%
Specific Gravity	1.14		Solubility in Crude	Insoluble

ANTIFREEZE INHIBITOR STICKS are special water-soluble sticks containing a combination of stabilizers and glycol-based antifreeze. Natural gas bubbling through the fresh water-column, glycol-based antifreeze and stabilizers produce an aqueous product, which can help reduce the freeze point of the produced water in the production string, flow lines and surface equipment.

PRODUCT USES & ADVANTAGES

ANTIFREEZE INHIBITOR STICKS also contain minimal corrosion and scale inhibitors to protect steel in industrial coolant and heat transfer systems. This product should not be considered as an alternative treatment method for corrosion and/or scale in oil and gas producing systems. **CORROSION INHIBITOR STICKS** should and can be used in conjunction with the **ANTIFREEZE INHIBITOR STICK**.

ANTIFREEZE INHIBITOR STICKS can be very effective in reducing ice blockage in gas pipelines where there are orifice plates, chokes and velocity changes by reducing the freeze point of the water within the system.

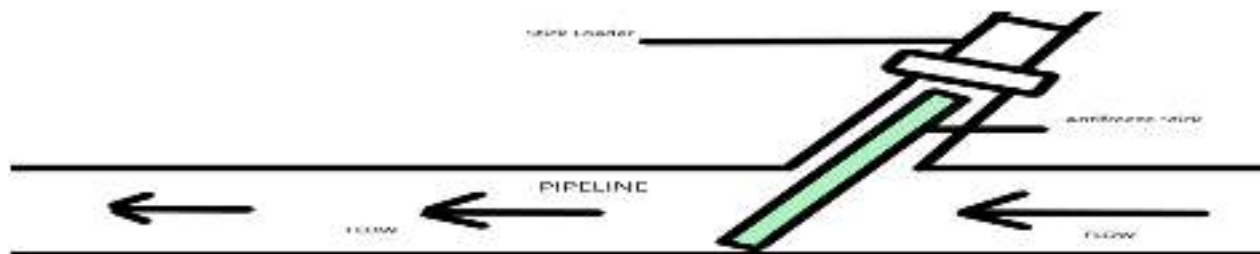
In order to be effective, the **ANTIFREEZE INHIBITOR STICK** should be used regularly two or three times per week. In most gas producing wells 1-2 sticks per treatment should be sufficient. Treatment can be increased for larger water volume situations.

TREATMENT DETERMINATION & PROCEDURE FOR WATER REMOVAL

If **ANTIFREEZE INHIBITOR STICKS** are used in conjunction with **SOAP STICKS** we suggest using the **ANTIFREEZE INHIBITOR STICK** on days or times when not using **SOAP STICKS** to get the maximum benefit from the **ANTIFREEZE INHIBITOR STICK**.

The stick will normally dissolve in 20 to 80 minutes depending on temperature and relative water/gas motion. Sticks are 100% soluble in water. Stick melting point is around 128 degrees Fahrenheit.

The **ANTIFREEZE INHIBITOR STICKS** has also been used with success by insertion into the flowline through a specially designed devise to allow the stick to dissolve as the fluid comes in contact with it (See Diagram)



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 ball 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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