

Natural Gas Hydrate Inhibitor Concentrate

PHYSICAL DESCRIPTION

Appearance	Clear, Colourless, free-flowing liquid
Boiling Point	64°C
Flash Point	14°C (PMCC)
Specific Gravity	0.955
Solubility	Water – Soluble
pH	10.0

PROPERTIES

Traditional hydrate inhibition is achieved with the use of methanol, ethylene glycol or other hydrocarbon solvents. With the use of low-dose hydrate inhibitors, efficiency and lower costs can be achieved in hydrate inhibition.

Anti-agglomerate inhibitors prevent hydrates from adhering to each other by keeping ice crystals in a slurry that can be flushed out with the remaining fluids

Kinetic inhibitors prevent hydrates from forming and prevent the ice crystal lattice from properly forming for a period of time until the fluid is out of the critical zone in the pipe

BENEFITS

CFR's Ice Stop Concentrate is a combination product using anti-agglomerate blended with ice lattice inhibition technology in the traditional thermodynamic (methanol) system. This combination product offers the following advantages:

- Ensures that hydrates will not form
- Reduces the amount of methanol required
- Reduces methanol trucking costs

Paraffin Solvent & Dispersant

MIXING & HANDLING INSTRUCTIONS

CFR Chemicals Ice Stop Concentrate is recommended for dilution to make CFR Chemicals Ice Stop which is for application in single gas wells and gas flow lines when freezing occurs at a choke or orifice plate or a back pressure valve. CFRs Ice Stop utilizes the same injection system that is used for just methanol injection.

Mixing: Ice Stop Concentrate to make Ice Stop

CFR Chemicals Ice Stop is manufactured by blending: 2.0 to 6.0% Ice Stop Concentrate into Methanol to make Ice Stop

The amount of CFRs Ice Stop required is a function of water production in the gas stream and total volume of production.

Typical dosage is about 25% to 40% the volume used of pure methanol used.

CAUTION

Highly flammable liquid and vapour. Toxic if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. Causes serious eye irritation. Causes damage to organs.

Handle with care as with any industrial chemical.

Before using this product refer to the Safety Data Sheet for all safety and handling information.

Ice Stop Concentrate is available in 1000L totes and in bulk.

Please consult your local CFR Sales representative for technical support or further product inquiries.