INTERCOOL®
Glycol Fluids

Product **I**nformation **B**ulletin

INTERCOOL® TN-400

INTERCOOL® TN-400 is an inhibited ***triethylene glycol*** formulation using chemically engineered inorganic inhibitors for corrosion protection in ***natural gas dehydrators.*** The chemistry employed in ***INTERCOOL® TN-400*** will effectively and efficiently protect your gas dehydration equipment.

The high flash point of inorganic inhibitors make them well suited for use in systems where the higher temperature tolerance is required. Conversely, amine treatments have much lower flash points, typically 170-300° F. Since the operating conditions of most natural gas dehydrators ranges between (350-390°F.), amine based inhibitors will flash off and be carried away with the water vapors, making its usefulness short-lived. The operator must then re-inhibit to prevent the glycol pH from falling into the acidic range (<7.0). This cycle is very expensive due to re-inhibiting, testing procedures and labor costs. The initial cost advantage quickly disappears.

INTERCOOL® TN-401 inhibitors unlike the traditional amine inhibitors will protect and buffer the glycol, usually for 1 to 2 years. Additional treatment is required only when make up glycol is added to the system, generally, at a rate of 3 volume percent (1 gallon of ***INTERCOOL® TN-401*** / 33 gallons of TEG). Field tests have proven ***INTERCOOL® TN-400*** to be highly effective at maintaining pH, which prevents glycol's from becoming acidic and corrosive to gas dehydration systems.

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