



PRODUCT DATA SHEET

DRYDENE THERMODYNALL® 3T-i SERIES

TRIETHYLENE GLYCOL (INHIBITED) PRODUCT SYSTEM



PRODUCT DESCRIPTION

DRYDENE THERMODYNALL® 3T-i is virgin inhibited triethylene glycol formulated for use in natural gas dehydration systems to remove water, control oxidative degradation and limit the corrosive effects of acid accumulation within the system.

Uninhibited glycols degrade over time and are unable to effectively guard against glycol degradation which lowers the system's pH which can lead to costly corrosion due to acid buildup.

THERMODYNALL 3T-i is fortified with the most advanced additive chemistry to prevent system corrosion and improve the life of the fluid along with extending the service life of dehydration systems.

PRODUCT APPLICATION

DRYDENE THERMODYNALL 3T-i provides superior protection against corrosion for multiple dehydration applications:

- Gas Processing
- Gas Field Gathering
- Gas Pipeline Heaters
- Air Dehydration
- Natural Gas Storage

FEATURES AND BENEFITS

DRYDENE THERMODYNALL 3T-i is engineered specifically for challenges inherent in natural gas dehydration systems:

- Superior protection against corrosion within key system components without impacting the fluid's water-absorbing properties
- Maintains proper pH level even in the presence of harmful contaminants like sulfides, chloride and carbonates
- Compatible with most component materials commonly found in natural gas dehydration systems
- Excellent control of deposit formation and oxidative degradation

TYPICAL TECHNICAL PROPERTIES

PROPERTY	THERMODYNALL 3T-i
Color	Clear
Triethylene Glycol, wt. %	96.1
Inhibitors, wt. %	1.9
Reserve Alkalinity, ml	7
pH of 50% Solution	9.8
Boiling Point, °C/°F	285/545
Freeze Point, °C/°F	-7/19
Specific Gravity @ 60°F	1.131

SUPPLEMENTAL PRODUCTS

DRYDENE THERMODYNALL® AD-3 DEFOAMER is optimized to provide maximum defoaming and dispersibility in glycol-based fluids used in natural gas dehydration systems. Buildup of foam and air entrapment can lead to excess fluid loss and reduce the ability of the fluid to adequately remove water. It controls foam at the first onset as well as long-term to keep dehydration systems functioning at highly efficient rates.

PROPERTY	THERMODYNALL AD-3 DEFOAMER
Color	White
pH of 50% Solution	8.4
Specific Gravity @ 25°C	0.99

DRYDENE THERMODYNALL® AI-3 BOOSTER is a complete booster inhibitor package designed for use in glycol-based fluids employed in natural gas dehydration systems. As glycols degrade over time they create corrosive acids, tars and coke deposits that can foul and block critical components in dehydration systems.

PROPERTY	THERMODYNALL AI-3 BOOSTER
Color	Clear to Light Yellow
pH of 50% Solution	9.9
Specific Gravity @ 25°C	1.21

This product is not expected to have any adverse health implications when used for its intended purposes. Always wear protective gloves when handling used oil and dispose of properly. Avoid contact with skin and wash immediately with soap and water should any contact occur. Always follow manufacturers recommendations for fluid viscosity and service category. RelaDyne assumes no responsibility for product misuse or improper application. For a copy of this product's Safety Data Sheet (SDS), visit www.DRYDENE.com Rev (0322-01)



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