MADE IN USA

RHOMAR WATER

Heat Transfer Fluids • Hydronic System Solutions

ThermaGard™ Ultra

Heat Transfer Fluid with Non-Phosphate Industrial Corrosion Inhibitors for Hydronic Heating & Cooling Systems

- *Blended with Virgin Propylene Glycol*
- *Ultra Concentrated. Requires On-Site Dilution with Distilled, or D.I. Water. Hard Water May Be Used.*
- *Contains Non-Phosphate Based Industrial Corrosion Inhibitors*
- *Protects Multiple Metals, Such as Brass, Iron, Copper and Stainless Steel*
- *Provides Years of Corrosion Protection*
- *Helps Keep Heat Exchange Surfaces Clean*
- *Maximizes System Efficiency*
- *Provides Freeze Protection to < -60 °F*
- *Provides Burst Protection to -100 °F*
- *Environmentally Friendly*

Available in a variety of container sizes.

Rhomar Water, 2103 E Rockhurst St., Springfield, MO 65802
1-800-543-5975 • www.RhomarWater.com

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DESCRIPTION:
ThermaGard™ Ultra is a concentrated multi-metal antifreeze and heat transfer fluid specially blended with VIRGIN PROPYLENE GLYCOL, non-phosphate industrial corrosion inhibitors and performance additives.

ADVANTAGES:
ThermaGard™ Ultra can be used in hydronic heating and cooling systems. **ThermaGard™ Ultra** can provide freeze protection to -60 °F and burst protection to -100 °F. The organic and inorganic non-phosphate industrial inhibitors in **ThermaGard™ Ultra** can help protect system metals including brass, cast iron, copper and stainless steel from corrosion.

DIRECTIONS:
All systems, new and existing, should be thoroughly cleaned and flushed using **Rhomar Water's Hydro-Solv™** cleaner prior to adding antifreeze. Properly cleaning the system will reduce the rate of corrosion and prolong the life of the antifreeze. Determine the total fluid capacity of the system. Calculate the percentage of **ThermaGard™ Ultra** needed based on the "Freeze and Burst Protection Chart" shown below. It is recommended to carefully measure and premix **ThermaGard™ Ultra** with distilled/deionized water prior to adding to the system. However, hard water may be used provided its hardness is below 180 ppm and both the chlorides and sulfates are less than 25 ppm. Always mix glycols 5 – 10 % higher than desired to allow for dilution of the glycol when adding to a system that may not be completely drained.

NOTICE:
When adding less than 30% **ThermaGard™ Ultra** antifreeze to a system, additional inhibitor should be added to ensure adequate corrosion protection.

FREEZE AND BURST PROTECTION CHART*

ThermaGard™ Ultra	Freeze Point	Burst Protection
70 %	< -60 °F	-100 °F
60 %	-47 °F	-100 °F
50 %	-21 °F	-75 °F
40 %	-3 °F	-60 °F
35 %	+4 °F	-40 °F
30 %	+10 °F	-10 °F
25 %	+15 °F	0 °F
20 %	+20 °F	+10 °F

**Freeze protection figures may vary slightly due to water chemistry. Freeze and burst protection figures are estimates that will be affected by system design and components.*

TESTING:
Freeze protection level should always be verified with a glycol refractometer. Retest the system fluid annually to ensure proper freeze and corrosion protection. Samples may also be sent to **Rhomar Water** for testing by using the "Water Test Request Form" at **www.RhomarWater.com**.

CAUTION:
ThermaGard™ Ultra is not intended for use in potable water systems or systems where incidental food contact is possible. Not for use with aluminum or CPVC.

REORDERS:
Call **800-543-5975** or visit our website at **www.RhomarWater.com**.

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