



RHOMAR WATER

Heat Transfer Fluids • Hydronic System Solutions

RhoTherm™ Ultra

Concentrated Inhibited Ethylene Glycol Heat Transfer Fluid for Hydronic Heating and Cooling Systems

- *Blended with Virgin Ethylene Glycol*
- *Can Be Diluted On-Site with Distilled or D.I. Water*
- *Contains Industrial Corrosion and Scale inhibitor Additives*
- *Protects Multiple Metals, Including Brass, Cast iron, Copper and Stainless Steel*
- *Provides Years of Corrosion Protection*
- *Helps Keep Heat Exchange Surfaces Clean*
- *Maximizes System Efficiency*
- *A 70/30 RhoTherm™ Ultra/Water Solution Provides:*
 - *Freeze Protection to < -60 °F*
 - *Burst Protection to -100 °F*



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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RhoTherm™ Ultra

DESCRIPTION:

RhoTherm™ Ultra is a concentrated VIRGIN ETHYLENE GLYCOL antifreeze and heat transfer fluid specially blended with industrial corrosion and scale inhibitor additives.

ADVANTAGES:

RhoTherm™ Ultra can be used in hydronic heating and cooling systems. **RhoTherm™ Ultra** when diluted to 70 % can provide freeze protection to < -60 °F and burst protection to -100 °F. The additives in **RhoTherm™ Ultra** can help protect system metals including brass, cast iron, copper and stainless steel from corrosion and scale deposits.

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 **RhoTherm™ Ultra** needed based on the "Freeze and Burst Protection Chart" shown below. It is recommended to carefully measure and premix **RhoTherm™ Ultra** with distilled/deionized water prior to filling 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. High hardness will produce a calcium sludge that will reduce the inhibitors and may affect system performance. Always mix glycols 5-10 % higher than desired to allow for additional dilution of the glycol when filling a system that may not be completely drained.

NOTICE:

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

FREEZE AND BURST PROTECTION CHART:*

RhoTherm™ Ultra	Freeze Point	Burst Protection
70 %	< -60 °F	-100 °F
60 %	-51 °F	-90 °F
50 %	-27 °F	-60 °F
40 %	-8 °F	-50 °F
35 %	0 °F	-30 °F
30 %	+6 °F	-10 °F
25 %	+12 °F	0 °F
20 %	+17 °F	+10 °F

**Freeze protection figures may vary slightly due to water chemistry. 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.

ATTENTION:

Variations of product color may be caused by manufacturing conditions, UV or sunlight exposure, or mixing with chlorinated water.

REORDERS:

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