



RHOMAR WATER

Heat Transfer Fluids • Hydronic System Solutions

RhoTherm™ 921 Ultra

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

- *Blended with Virgin Ethylene Glycol*
- *Ultra Concentrated. Requires On-Site Dilution with Distilled, or D.I. Water. Hard Water May Be Used.*
- *Contains Non-Phosphate 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™ 921 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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DESCRIPTION:

RhoTherm™ 921 Ultra is a VIRGIN ETHYLENE GLYCOL antifreeze and heat transfer fluid specially blended with non-phosphate corrosion inhibitor, **Rhomar Water's Pro-Tek® 921**.

ADVANTAGES:

RhoTherm™ 921 Ultra can be used in hydronic heating and cooling systems. **RhoTherm™ 921 Ultra** when diluted to 70 % can provide freeze protection to < -60 °F and burst protection to -100 °F. The additives in **RhoTherm™ 921 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™ 921 Ultra** needed based on the "Freeze and Burst Protection Chart" shown below. It is recommended to carefully measure and premix **RhoTherm™ 921 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. 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™ 921 Ultra** antifreeze to a system, additional corrosion inhibitor should be added to ensure adequate corrosion protection.

FREEZE AND BURST PROTECTION CHART:*

RhoTherm™ Ultra 921	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.

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