

EnviroGard™ ST

Heat Transfer Fluid

Non-Toxic
Heating & Cooling System
Freeze Protection Fluid



- Approved by Department of Natural Resources for use in Geothermal Systems
- Provides Freeze, Corrosion and Scale Protection
- Protects Cast Iron,  Copper and Steel
- Helps Keep Heat-Exchange Surfaces Clean
- Helps Keep Efficiency High
- Non-Hazardous / Non-Toxic
- Burst Protection to -100° F
- Environmentally Friendly
- Prevents Corrosion 
- Prevents Scaling



Nonfood Compounds
Program Listed HT1
Registration No. 141600

Rhomar
Water Management, Inc.

EnviroGard™ ST

Inhibited Virgin Propylene Glycol Antifreeze

Formulated to provide freeze protection to -60°F and burst protection to -100°F

Contains Food Grade Non-Toxic Corrosion and Scale Inhibitor Additives similar to DowFrost

EnviroGard™ ST can be used as a heat transfer fluid and antifreeze in all types of hydronic heating, cooling and Ground Source systems. When used directly from the container, EnviroGard™ ST can provide freeze protection to -60°F and burst protection to -100°F. The additives in EnviroGard™ ST can help prevent foaming and protect metals including brass, iron, copper and stainless steel from corrosion and scale deposits.

DIRECTIONS:

All systems, new and existing, should be thoroughly cleaned and flushed using Rhomar'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. After cleaning and flushing, determine the total fluid capacity of the system. Calculate the percentage of EnviroGard™ ST needed based on the "Freeze Protection Chart" shown below. It is recommended to carefully measure and premix EnviroGard™ ST with water* prior to adding to the system.

*The makeup water should be tested for hardness prior to mixing. Water hardness should be less than 100 ppm (6-grains). 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 dilution of the glycol when adding to a system that may not be completely drained.

FREEZE PROTECTION CHART*

EnviroGard™ ST	Freeze Point	Fluid Flow	Burst Protection
100%	-60°F	-70°F	-100°F
70%	-25°F	-40°F	-70°F
60%	0°F	-15°F	-55°F
50%	5°F	-10°F	-50°F
40%	12°F	0°F	-10°F

NOTICE:

When adding less than 50% EnviroGard™ ST antifreeze to a system, additional inhibitor should be added to ensure adequate corrosion and scale protection. Blending EnviroGard™ ST with chlorinated water may cause the green color to turn blue.

*Freeze protection figures may vary slightly due to water chemistry. Flow and Burst figures are estimates that will be affected by system design & 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 for testing by using the "Water Test Request Form" at www.rhomarwater.com.

PRODUCT SAFETY:

EnviroGard™ ST is considered non-toxic and contains ingredients that are Generally Recognized as Safe (GRAS) by the Food and Drug Administration. It is also approved for use in ground source systems by the Department of Natural Resources.

TECHNICAL SUPPORT:

For technical assistance or questions please contact our offices at 800-543-5975.

CAUTION:

EnviroGard™ ST is not suitable for aluminum, galvanized or CPVC.

Distributed by:

