

GlycoChill+™ E-200 Heat Transfer Fluid

Product Specification

GlycoChill+™ E-200 Heat Transfer Fluid is a fully-formulated, ethylene glycol based heat transfer fluid containing an inhibitor package that controls corrosion of metals, helps prevent scaling and the fouling of heat transfer surfaces, and buffers the pH to maintain it in the optimum operating range. It meets or exceeds ASTM D 1384, the accepted industry standard for multi-metal corrosion test, for steel, cast iron, aluminum, copper, brass and solder; this fluid is also compatible with most plastics, elastomers and types of rubber. The inhibitor formulation makes **GlycoChill+™ E-200 Heat Transfer Fluid** equivalent or better in terms functionality and performance when compared to other national brands on the market today.

Applications for **GlycoChill+™ E-200 Heat Transfer Fluid** includes: HVAC heating and cooling system, freeze, burst and corrosion protection; Thermal Energy Storage; Process Heating and Cooling; Snow Melting Systems; Ice Rinks and various other needs requiring deicing, defrosting and dehumidifying solutions.

GlycoChill+™ E-200 Heat Transfer Fluid has a recommended operating temperature range of -60°F to 250°F when mixed with water to appropriate concentrations. To obtain adequate freeze protection, select a glycol concentration with a freeze point at least 5°F below the lowest anticipated ambient temperature. It should never be diluted below 25% to maintain adequate corrosion protection. **CORECHEM Inc.** recommends the use of deionized or distilled water for dilution. It is recommended that water with no more than 100 ppm total hardness be used to dilute concentrate or as make-up water for systems. Chlorides and sulfates should be limited to levels no greater than 25 ppm.

Typical Product Specifications

Color	Fluorescent Pink
Glycols, wt %	95% min.
Water & Performance Additives, wt %	5.0% max
Specific Gravity, 60°F/15.6°C	1.13 - 1.14
pH, 100% solution	9.0 - 10.5
Reserve Alkalinity (ml)	10.0 min.
Freezing point, 30% vol, °F(°C)	5°F (-14.0°C)
50% vol, °F(°C)	-28°F (-33°C)
Corrosion Test Results (ASTM D1384)	< 0.5 mg/year

Additional engineering specifications available upon request.

GlycoChill+™ E-200 Heat Transfer Fluid is also available in pre-diluted concentrations of 25%, 30%, 35%, 40%, 45%, 50%, 55%, 60%. These pre-diluted concentrations have the same performance characteristics as the **GlycoChill+™ E-200**, but have already been diluted with deionized water for ready-to-use requirements. Other dilution concentrations are available upon request.

From a five-gallon pail or 55-gallon drum to a full transport load, **CORECHEM Inc.** delivers the quantity of product you need. Utilizing our own delivery vehicles, we can tailor quantities to suit your application, and we get it there when you need it. Every customer is important to us.



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All reasonable care has been taken to ensure that the information contained herein is accurate. The product specifications listed are typical properties only. CORECHEM Inc. strives for continuous improvement in all of our products. Custom blending may result in slight color and/or appearance changes. Each user should conduct a sufficient investigation to establish the suitability of this product for any use.