

GlycoChill+™

P-200 Heat Transfer Fluid

Product Specification

GlycoChill+™ P-200 Heat Transfer Fluid is a fully-formulated propylene glycol-based heat transfer fluid containing an inhibitor package that controls corrosion of metals, and buffers the pH to maintain it in the optimum operating range. It has been tested per ASTM D 1384, which is the accepted industry standard for multi-metal corrosion testing for steel, cast iron, aluminum, copper, brass, and solder. This fluid is also compatible with most plastics, elastomers and types of rubber. The multi-component inhibitor system formulation makes **GlycoChill+™ P-200 Heat Transfer Fluid** an industry leader in fluid performance.

Applications for **GlycoChill+™ Heat Transfer Fluids** include: HVAC heating and cooling system, freeze, burst protection 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+™ P-200 Heat Transfer Fluid may be suitable for use in applications where incidental contact with food is possible. Relative to ethylene glycol, propylene glycol has a lower acute oral toxicity. Accordingly, propylene glycol-based heat transfer fluids are preferred – and often required in applications in which they may make accidental contact with foods and beverages, or where they may contaminate potable and drinking water, or the environment. In some municipalities, the use of propylene glycol is required by law or regulation. The propylene glycol and additives used in **GlycoChill+™ P-200 Heat Transfer Fluid** are manufactured with ingredients classified as Generally Recognized as Safe (GRAS) by the FDA.

GlycoChill+™ P-200 Heat Transfer Fluid has a recommended operating temperature range of -50°F to 325°F when mixed with appropriate water 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	Clear
Glycols, wt %	96% min.
Water & Performance Additives, wt %	4.0% max
Specific Gravity, 60°F/15.6°C	1.045 - 1.055
pH, 100% solution	9.5 - 10.5
Reserve Alkalinity (ml)	10.0 min.
Freezing point, 30% vol, °F(°C)	8°F (-13.0°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+™ P-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+™ P-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.