

Freez-Kontr'l is a complete heat transfer fluid and anti-freeze; contains 70% inhibited propylene glycol. It is non-corrosive, inhibited propylene glycol product for corrosion protection and freeze protection for chilled water, hydronic and other closed systems. Safe for use where contact with potable water is possible.

**BENEFITS:**

- Optimum freeze or burst protection
- Fully inhibited to prevent corrosion
- Non-flammable
- Low in acute oral toxicity
- Effective over broad temperature range
- Compatible with most materials
- Colored blue for easy leak detection

4188-07



# Freez-Kontr'l®

**INHIBITED PROPYLENE GLYCOL**

*Long Life Heat Transfer & Anti-Freeze Fluid*  
**Freeze Protection to -60°F**  
**Burst Protection to -100°F**

**FOR PROFESSIONAL USE ONLY**

Contains: Propylene Glycol (CAS No. 57-55-6).

Refer to SDS for additional information.

Always use a Nu-Calgon Glycol Refractometer (61301) to check freeze protection of the propylene glycol solution before leaving job site.

**DIRECTIONS FOR USE:**

1. Clean new or lightly corroded existing systems with Nu-Calgon System Cleaner (4370-08) prior to the installation of Freez-Kontr'l. Do not use Freez-Kontr'l with galvanized steel.
2. Extensively corroded systems should be cleaned using an inhibited acid such as Imperial Scale Remover, Eco-Lyme, or Liquid Scale Dissolver. Job should be handled by an experienced serviceman. All necessary replacements and repairs should be made.
3. The required concentration of Freez-Kontr'l will depend on the type of protection needed, and there are two types: burst protection and freeze protection. Burst protection prevents bursting or other mechanical damage, but is not enough to keep solution pumpable. Freeze protection requires more glycol, and it prevents the formation of ice crystals at the lowest temperature experienced by the fluid. This assures fluid can be pumped at the lowest experienced temperature.
4. Typically, ice storage systems, chilled water systems and intermittently run hydronic systems need freeze protection while fire and lawn sprinkler systems may be fine with burst protection.
5. Identify the lowest expected ambient temperature, then go to a temperature 5°F colder to assure protection, and then review the chart below. Select type of protection, and identify the solution percentage that must be made up of Freez-Kontr'l.
6. Determine system volume in gallons, and multiply this volume by the percentage identified above. This will tell you the number of gallons of Freez-Kontr'l required.
7. For optimum corrosion protection, a minimum concentration of 40% Freez-Kontr'l is recommended.



Percent Volume of Freez-Kontr'l	Freeze Protection	Burst Protection
100%	below -60°F	-100°F
90%	below -60°F	-100°F
80%	-49°F	-100°F
70%	-29°F	-100°F
60%	-12°F	-79°F
50%	+1°F	-52°F
40%	+10°F	-19°F



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**1 Gallon (3.8 L)**