

## HEAVY-DUTY PINK FORMULATION FOR HYDRONIC AND SOLAR APPLICATIONS

- Typical applications: Boiler hydronic systems, chilled hydronic systems, solar applications, sidewalk snow melting systems, thermal energy storage, process heating and cooling, refrigeration warehouse for floor heating, ice rinks and others
- Heavy-duty 70% propylene glycol-based heat transfer formulation
- Specifically designed for a higher operating temperature (325°F maximum)
- Formulation provides better stability when mixed with water containing up to 350ppm total hardness in a closed loop application
- Pink colored formulation to assist in system leak detection
- Nonflammable

### Application:

Boiler hydronic systems, solar applications, process heating/cooling systems and other tougher HVAC/R applications that need freeze suppression as well as a heavy-duty formulation for best longevity results. For these specific duty systems, a heavy-duty glycol formulation improves the passivation of the hot metal surfaces. In addition, they have better thermal and water dilution stability for best fluid life in these harsher closed loop applications.

### Description:

Freez-Kontr'l HD is a heavy-duty 70% propylene glycol-based heat transfer fluid formulated for hydronic applications where its multi-component inhibitor formulation provides added robustness for better service life. The specially developed formulation achieves a higher maximum operating temperature of 325°F, higher reserved alkalinity, better thermal stability and added stability when mixed with water containing up to 350ppm total hardness in closed loop applications. Freez-Kontr'l HD is a pink colored solution to aid in system leak detection.

**IMPORTANT:** Due to ingredients used in its formulation, Freez-Kontr'l HD should NOT be used in refrigeration applications where there is a possibility of incidental contact with potable water or food. For these refrigeration applications, Nu-Calgon's Freez-Kontr'l, Freez-Kontr'l 95/5, Freez-Kontr'l FG or Freez-Kontr'l 35 formulations must be selected due to their low acute oral toxicity.

## Glycols

### Freez-Kontr'l® HD



### Packaging:

- 5 Gallon Pail **4188-12**
- 55 Gallon Drum **4188-13**

Read and understand the product's label and Safety Data Sheet ("SDS") for precautionary and first aid information. The SDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com).

Percent Volume of Freez-Kontr'l FG	Freeze Protection	Burst Protection
100%	Below -60°F	-100°F
90%	Below -60°F	-100°F
80%	-49°F	-100°F
75%	-39°F	-100°F
70%	-29°F	-100°F
65%	-17°F	-90°F
60%	-12°F	-79°F
55%	-6°F	-65°F
50%	+1°F	-52°F
45%	+5°F	-35°F
40%	+10°F	-19°F