

READY-TO-USE INHIBITED PROPYLENE GLYCOL FORMULATION FOR USE IN CLOSED LOOP SYSTEMS

- Formulated with propylene glycol, corrosion inhibitor, blue dye and deionized water.
- 50% propylene glycol concentration
- Generally Regarded as Safe (GRAS) formulation
- Ready-to-use for -25°F freeze protection or -95°F burst protection
- For hydronic, snow melt, radiant, most solar heat or refrigeration applications

Application

For hydronic, snow melt, radiant heating, most solar or refrigeration applications where it is desired to use a premix propylene glycol-based heat transfer fluid that provides a freeze protection to -25°F. Premix formulations provide the advantage of eliminating the concern of using poor quality jobsite water when diluting higher concentrate formulations. Elevated hardness in the water affects the service life of the glycol in the closed loop system.

Description

Freez-Kontr'l 50 is a premix formulation of 50% virgin propylene glycol, corrosion inhibitor, blue dye and deionized water. The ingredients use in this product are generally regarded as safe (GRAS) under Title 21, Part 182 of the US Code of Federal Regulation where accidental contact with potable water could occur.

Freez-Kontr'l 50 is intended for systems constructed of cast iron, steel, copper or brass materials that that may be joined with common solder or brazing alloys. The product is compatible with PEX and typical elastomer radiant tubing. Do not use Freez-Kontr'l 50 in systems containing CPVC plastic due to the concern with incompatibility or with galvanized piping as the zinc will dissolve. Do not use Freez-Kontr'l 50 in systems with an aluminum heat exchanger – use Nu-Calgon's Burst Kontr'l AP-100 with its trilogy of inhibitors for aluminum-specific duty.

Freez-Kontr'l 50 provides another formulation selection for customers that prefer another premix option as circumstances dictate, Concentrate options are great choices when diluting with job site water is preferred since it requires less transport of water. Nu-Calgon's Freez-Kontr'l family of products include 35%, 50%, 70% and full

Glycols

Freez-Kontr'l® 50



concentrate propylene glycol formulations meet application specifications or user preferences.

Packaging

5 gallon pail: **4188-17**

Directions

This product must be used in accordance with the following directions by HVACR professionals only. NOTE: This container is equipped with a vent port. Remove the small-cap and puncture the aluminum seal to allow for smooth and quick pouring.

1. Clean new or lightly corroded existing system with Nu-Calgon System Cleaner (4370-08) before adding Freez-Kontr'l 50. Do not use galvanized steel or with CPVC tubing. Extensively corroded existing systems should be cleaned using an inhibited acid such as Eco-Lyme® or Liquid Scale Dissolver®.
2. Freez-Kontr'l 50 is a specially formulated inhibited glycol product that provides freeze protection to -25°F, plus corrosion protection. Confirm the requirements of the application before the use of the product.
3. Establish circuit volume to determine how much Freez-Kontr'l 50 is required.
4. Transfer Freez-Kontr'l 50 directly into the system. Freez-Kontr'l 50 is premixed with 50% inhibited propylene glycol and deionized water for maximum fluid and system life. Product is intended to be a premix to be added directly into the system. If some dilution is desired, never dilute beyond a 1:1 ratio with high-quality water at the jobsite.