



Cooltrans CTL™ Inhibited MPG

DESCRIPTION:

Cooltrans Plus CTL is a high performance low oral toxicity mono propylene glycol based heat transfer fluid designed specifically for use in secondary refrigerant systems and in food and beverage processing plants. It is a suitable anti-freeze for use in industrial, commercial and agricultural applications where there is a possibility of incidental contact with food (NSF Nonfood Compounds HT1 Registration No. 151069).

Cooltrans Plus CTL has been formulated with US FDA approved direct and indirect food additives which pose minimal risk to human health. The formulation helps to improve the longevity of the system by providing excellent freeze protection, corrosion protection and higher resistance to degradation whilst maximising heat transfer efficiency and reducing long terms costs associated with system maintenance.

Cooltrans Plus CTL is tested to and exceeds the ASTM D1384-05 corrosion test standard for metals commonly found within secondary refrigerant systems including copper, steel, cast iron, solder, brass and aluminium. When added to the system at the minimum recommended dose rate, the product is biostatic and no requirement for a biocide is needed. When dosed to a clean system, the product will prevent fouling of the internal heat exchange surfaces, preserving the heat transfer efficiency and reducing system downtime.

ADVANTAGES:

- * NSF Certified Non-Toxic MPG based inhibited antifreeze
- * Contains no carcinogenic, mutagenic or toxic to reproduction additives.
- * Outperforms requirements of ASTM D1384-05 corrosion tests.
- * Biostatic when dosed at the recommended dose rate.
- * Liquid formulation supplied as concentrate.
- * Can be supplied as dilute product (ready to use).

APPLICATION: Add to the system as determined by required freeze point. A minimum 25% product is required in the system to provide adequate corrosion protection.

Freeze Point °C	Product Volume % v/v	Refractive index
-10	26.7	1.3616
-15	35.1	1.3700
-20	41.4	1.3763
-25	46.3	1.3812
-30	50.4	1.3853
-35	54.2	1.3891
-40	57.7	1.3926

DOSING EQUIPMENT: A complete range of dosage and control equipment is available to provide the most effective application of water treatment chemicals to your system.

DELIVERY OPTION: Cooltrans CTL™ is packed in 25L kegs, 200L drums and 1,000ltr non-returnable IBC's.

NOTE ON GALVANISED METALS:

Cooltrans CTL™ and any glycol based heat transfer fluids should not be used in systems containing galvanised metals. Glycol based fluids can react with the zinc that is present in galvanised materials leading to physical damage to the operating system and degradation of the heat transfer fluid.