CoPharma Chemical

We care for the environment

FOR A GREEN FUTURE

HEATING TRANSFER & MAINTENANCE PRODUCTS
SOLAR SYSTEMS - 2

THERMAL FLUID - RA50 (Eco)

HEAT TRANSFER FLUID
(-50 *C + 145 *C)

Description: THERMAL FLUID RA-50 (Eco), is a 100% biodegradable liquid product, and 100% miscible with water. Its main ingredient comes from a mixture of seaweed extracts resistant to low and high temperatures. The existing products on the market are made based on Propylene Glycol, which withstands low temperatures, but is unable to withstand high range temperatures such as those generated in solar panel systems for heating water. When propylene glycol is subjected to high temperatures, it undergoes a degradation process that results in the formation of solids and lumps, which clog the pumps that raise the heat transfer liquid to the solar panels where they begin the cycle again to transfer the temperature. The resulting degradation becomes toxic waste, which causes the ability to transfer temperature to be lost, while efficiency is reduced to almost nothing, in a very short time, resulting in higher maintenance costs. Our company has developed THERMAL FLUID RA-50 (Eco), which does not contain propylene glycol, but is made based on seaweed extracts that withstand temperatures as low as minus 50 *C, and as high as 145 *C, without losses due to evaporation. Additionally, its efficiency has been calculated to be three times greater than propylene glycol thermal fluids. Our THERMAL FLUID RA-50 (Eco), does not attack copper, bronze, aluminum or stainless steel welds, nor does it attack rubber or plastic components.

TCHEM - BC85 (Eco)

GLYCOL REMOVER
(Winter Time) - 12 *C

Description: TCHEM – BC85 (Eco), is a liquid product 100% miscible in water and 100% biodegradable, approved to work at minus 12 *C. It is environmentally friendly, and contains corrosion inhibitors of natural origin, being harmless to metals such as copper, bronze, aluminum and stainless steel. Our Glycol remover is a ready-to-use mixture, and is successful in removing decomposed residues and solid and lumpy contaminants from Propylene Glycol-based thermal fluids. Removes residues resulting from reheating thermal fluids based on propylene glycol in just 30 minutes. TCHEM – BC85 (Eco), is practically non-toxic, it does not attack copper, bronze, aluminum or stainless steel welds. It produces very low foam and is highly resistant to freezing, when the ambient temperature reaches minus 12 degrees Celsius. It can come into contact with plastic components and natural or synthetic rubber materials of the system without damaging them.

TCHEM - BH70 (Eco)

GLYCOL REMOVER
(Another Seasons)

Description: TCHEM – BH70 (Eco), is a liquid product 100% miscible in water and 100% biodegradable, approved to work between 0 and 40 *Celsius. It is environmentally friendly, and contains corrosion inhibitors of natural origin, being harmless to metals such as copper, bronze, aluminum and stainless steel. Our Glycol remover is a ready-to-use mixture, and is successful in removing decomposed residues and solid and lumpy contaminants from Propylene Glycol-based thermal fluids. Removes residues resulting from reheating thermal fluids based on propylene glycol in just 30 minutes. TCHEM – BH70 (Eco), is practically non-toxic, it does not attack copper, bronze, aluminum or stainless steel welds. It produces very little foam and efficiently removes old glycol when the ambient temperature exceeds 0 ºC up to 45 *C. It can come into contact with plastic components and natural or synthetic rubber materials of the system without damaging them.

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