

# RECOTHERM IG

## LOW TEMPERATURE HEAT TRANSFER FLUID (LTHTF)

RECOTHERM IG is a proven fully formulated LTHTF designed for use in industrial heat transfer applications. RECOTHERM IG contains proprietary corrosion inhibitors in an ethylene glycol base fluid.

### KEY FEATURES & BENEFITS

**Performance** - Chemically stable and a proven performer.

**Strong colour** - Easily detectable in heat transfer systems.

**Non flammable / Non regulated** - No requirements for expensive licensing are required. This is a key benefit and saves money on transport and storage.

**Biodegradable** - Non toxic, high flash point.

**Dosage** - Similar to industry recognised rates.

**Packaging** - Available in bulk tanker loads, 200 litre drums and 1,000 litre IBCs adding convenience and improved inventory management.

**Freeze and Burst Protection** - Essential for low temperature systems.

**Corrosion Protection** - Suitable for protection from copper, brass, solder, steel, cast iron and aluminium.



### TYPICAL CHARACTERISTICS

Density @ 15°C	1.13g/ml
Flash Point	116°C
pH (50% solution)	8.5 - 9.5
Freeze point (50% solution)	-37°C
Reserve Alkalinity	25.0 min

Available in bulk tanker loads, 200 litre drums and 1,000 litre IBCs.

### APPLICATIONS

RECOTHERM IG is designed for use in primary and secondary heating and cooling units, a variety of de-icing, defrosting and de-humidifying applications, providing freeze and burst protection of pipes.

### CORROSION PROTECTION

Most low temperature heat transfer systems have a variety of metals and plastic components. These metals are subject to serious corrosion over time. The results from ASTM D-1384 testing show the benefit of using RECOTHERM IG, in comparison to water or Raw Ethylene Glycol solutions.

ASTM D-1384 Performance Data for RECOTHERM IG Compared against EG and Water				
Coupon Type	Product Test Results (weight loss in mg/coupon)			Max. Allowed Wt. loss (mg/coupon)
	RECOTHERM IG	Uninhibited EG	Uninhibited Water	
Copper	+0.6	6	3.5	10
Solder	1.9	216	72	30
Brass	+0.4	9.3	5.3	10
Cast Iron	1.0	299	383	10
Steel	+0.4	421	289	10
Aluminium	+0.1	97	122	30

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