



# RECOTHERM IG™ FLUIDS

(Ethylene Glycol Based)

## PROTECTION • PERFORMANCE • PEACE OF MIND

Recommending the right heat transfer fluids in today's industry of cooling and heating applications can be complex. Your clients demand guaranteed quality, maintenance and minimal operating costs. Your job is to prescribe the right heat transfer fluid to protect your client's system, provide top performance and peace of mind for everyone.

Recochem Inc. offers superior ethylene glycol based Heat Transfer Fluids designed to meet the demands of today's process systems. **RECOTHERM IG™** contains specially formulated inhibitor packages to help prevent corrosion and extend the life of the fluid. Ethylene glycol based fluids are the first choice for heat transfer applications because of their higher heat transfer efficiency and better overall low temperature properties. All **RECOTHERM IG™** heat transfer fluids come in concentrate or pre-diluted solutions, are biodegradable and will not concentrate in water systems.

### Reserve Alkalinity

Due to glycol degradation, all glycol based heat transfer fluids will experience corrosion inhibitor depletion and significant reductions in reserve alkalinity over time. Recochem provides corrosion inhibitor concentrates that contain the right amount of inhibitors and buffers to help restore product performance and extend the life of the product.

### How we measure up:

#### RECOTHERM IG™ vs Competitive Products

Test	Product Type	
	RECOTHERM IG™	Competitor A (ethylene glycol based)
pH (50/50 v/v)	8.5-9.5	9.0-10.5
Reserve alkalinity (mls min., N/10 HCL)	23.0 min.	12.0 min.
Composition: Glycol (wt. %) Inhibitors & water	94.0 min. 6.0 max.	95.5 min. 4.5 max.

### Corrosion Protection

When recommending a glycol product for your client's business, always consider the metal used in the equipment and if the glycol fluid will help protect against corrosion.

Our inhibited glycol heat transfer fluids contain robust inhibitor packages to help prevent corrosion for copper, brass, solder, cast iron, steel and aluminum, while extending the life of the fluid.



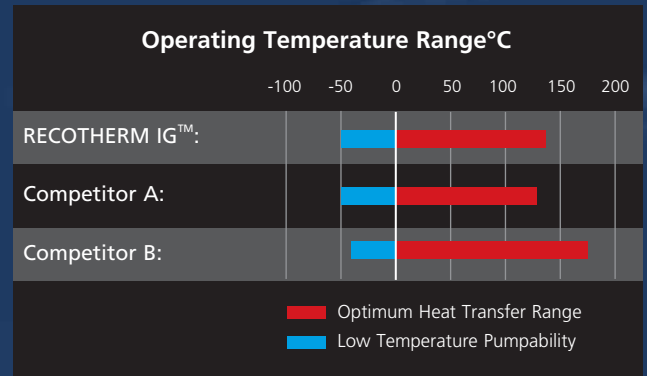
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## Freeze/Burst Protection

Solutions of RECOTHERM heat transfer fluids offer excellent freeze and burst protection at a range of fluid concentrations.

### Freezing and Burst Protection vs. Glycol Concentration

Temperature (°C / °F)	Freeze Protection (Volume %)	Burst Protection (Volume %)
	IG Fluids	IG Fluids
- 7 °C / 20 °F	15	10
- 12 °C / 10 °F	25	18
- 18 °C / 0 °F	33	22
- 23 °C / - 10 °F	40	25
- 29 °C / - 20 °F	45	30
- 34 °C / - 30 °F	48	30
- 40 °C / - 40 °F	53	30
- 46 °C / - 50 °F	56	30
- 51 °C / - 60 °F	60	30



## Recochem Advantage

- Canadian Food Inspection Agency (C.F.I.A.) approved\*
- Quality product available nationally - Four plants across Canada
- Technical representation at your convenience
- Fluid analysis program at Canada's unique ASTM testing facility

\* Product is approved for use in federally registered food establishments for non-contact applications.

## ASTM Testing

Recochem has a comprehensive analytical lab in which our Technical Service personnel provide a thorough analysis and interpretation for the appropriate Heat Transfer Fluid recommendations to maximize the life of your client's equipment.



## Specialized Formulations

Recochem also offers specialized formulations called RECOTHERM GTE (ethylene glycol based) fluids. They are designed for use in applications where liner cavitation could be an issue such as:

- Compressor station coolants
- Standby generators
- Low and high speed stationary engines
- Pipeline heaters

With four manufacturing locations, over 55 years experience in formulating, packaging and distributing a variety of chemical products, Recochem Inc. is *Your Partner in Formulating Solutions.*



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