

# Our Heat Transfer Fluids Have 2 Very Special Additives:

Marine Vessels  
Glass  
Oils & Gas  
Chemical Processing  
Food Processing  
Education/Universities  
Rubber

Adhesives  
Packaging  
Asphalt Terminals  
Automotive  
Blow Moulding  
Environmental  
Plastics  
Textiles & Fabrics

Laundry Ironers  
Electronics  
Die Casting  
Film Processing  
Paper, Pulp & Wood  
Pharmaceutical

## *Superior Communication and Service*

**MultTherm** HEAT TRANSFER FLUIDS  
YOUR HEAT TRANSFER NEEDS ARE OUR ONLY CONCERN

Applications Temperature Ranges: from -170°F (-112°C) to 600°F (315°C)

# Superior Products

## High Temperature Applications

### MultiTherm PG-1®

- Operating range from 10°F (-12°C) to 600°F (315°C)
- Food grade heat transfer fluid (NSF registered, FDA certified Non-Toxic, USDA Chemically acceptable)
- Low viscosity
- Low pour point
- Non-Toxic, Non-Hazardous, Non-Fouling
- Specially designed for applications in Food, Chemical, Plastics, and Die-Casting applications

### MultiTherm IG-4®

- Operating range from 10°F (-12°C) to 600°F (315°C)
- High flash point
- Very low vapor pressure
- Oxidation resistance
- Non-Toxic, Non-Hazardous
- Specially designed for applications in Asphalt storage facility, Chemical, Plastics, Laundries and Die-Casting applications

### MultiTherm 503®

- Operating range from 50°F (-10°C) to 500°F (260°C)
- Meets FDA specifications but not certified
- Very low viscosity
- Very low pour point
- Relatively high flash point
- Low vapor pressure
- Non-Toxic, Non-Hazardous
- Specially designed for applications in processing and Plastic industry applications, where heating and cooling of the same fluid is required.

### MultiTherm FF-1®

- Specially formulated flushing fluid to clean out systems during:
  - Start-ups — to remove loose material such as weld splatter, fines, particulate matter, etc. left in lines and equipment, along with oil and some preservative coatings.
  - General Maintenance — for removing particulate matter and used heat transfer fluid from a system prior to recharge or changeover from one fluid to another.
- Compatible with all MultiTherm heat transfer fluids and most others

## Low Temperature Applications

### MultiTherm ULT -170®

- Operating range from -170°F (-112°C) to 325°F (162°C)
- Ultra low temperature applications
- Low viscosity at ultra-low temperatures
- Low freezing point
- Thermally stable & biodegradable
- Single fluid usage for sterilization applications
- Specially designed for Pharmaceutical, Chemical, Freeze-Drying, Lyophilization and Cryogenic cooling applications

### MultiTherm LT -112®

- Operating range from -112°F (-80°C) to 325°F (162°C)
- Mid to low temperature range applications
- High flash point
- Non-Toxic
- Specially designed for Food & Beverage processing, Pharmaceutical and Industrial refrigeration applications

### MultiTherm WB -58®, WB -40®, WB -22®, WB -5® & WB +14®

- WB -58®** — operating range from -58°F (-50°C) to 425°F (218°C)
- WB -40®** — operating range from -40°F (-40°C) to 425°F (218°C)
- WB -22®** — operating range from -22°F (-30°C) to 425°F (218°C)
- WB -5®** — operating range from -5°F (-20°C) to 425°F (218°C)
- WB +14®** — operating range from 14°F (-10°C) to 425°F (218°C)
- Low temperature range applications
- Aqueous-based
- Non-Toxic, Non-Flammable
- Specially designed for Ice Rinks, Food processing, Supermarket Central refrigeration, Breweries/Distilleries and HVAC applications

# Superior Communication & Service

## **Total System Support Program**

MultiTherm technical experts stand ready to provide assistance with:

- System Design
- System Start-Up
- System Operation
- System Maintenance
- System Trouble Shooting

## **TechTeam Support Program**

- **System Data Form** — organizes all of the critical information about a system in one easy reference format, speeding troubleshooting and repair. A copy should be maintained on site and one should be forwarded to TechTeam representative.
- **Fluid Analysis** — helps identify potential problems before they happen, should be performed at least once a year.
- **System Performance Data Base** — combines system information, fluid analysis and system history in a single source data base for easy call-up should a problem occur. Data is also used to recommend changes to system, as technology changed, to keep it running problem free.
- **Technology Up-Dates** — information on the latest developments produced by our aggressive ongoing (since 1977) R&D Program. A program that has produced some of the industry's most significant technological advances.

## **Fluid Analysis Program**

- Fluid analysis reminders
- Free analysis kits with instructions
- Each kit contains a variety of tests to select from – TechTeam experts will recommend tests that best suite system if desired
- A fluid analysis report with recommendations to improve system performance and maximize fluid life.

## **Bulletin Program**

- Trouble Shooting Guide
- Fluid Handling
- System Components
- Thermal Fluid Filtration
- Thermal Fluid System Layout
- Thermal Fluid System Safety Issues
- TechTeam
- Fluid Life
- Fluid Analysis
- Controlling Temperature of Dies/Molds with Heat Transfer Fluids
- Fluid Maintenance Program
- Hot Oils versus Steam
- Flushing Electric Hot Oil Systems

**MultiTherm**<sup>®</sup>



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*For instant on-line information view our web site at:*

**[www.multitherm.com](http://www.multitherm.com)**

*Contact information:*

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