



# Paratherm<sup>®</sup> - SC<sup>™</sup> System Cleaner Liquid

**New Cleaning Liquid For Hot Oil Temperature Control Units** ENGINEERING BULLETIN SC 402

- Dissolves Carbon Lumps And Keeps Them in Suspension
- Works Warm (max 150° F) or Cold
- Compatible With Any Mineral Oil-Based Fluid
- Re-Use of Fluid is Recommended

## Paratherm SC<sup>™</sup> Fluid

The new Paratherm SC<sup>™</sup> system cleaning fluid is expressly formulated to dissolve and suspend the sludge and carbon lumps frequently produced in hot oil temperature control units where petroleum or glycol-based heat transfer fluids have been used. The SC fluid is a multi-component synergistic liquid that is compatible with any mineral oil-based thermal fluid, and many of the synthetic fluids as well. Used warm (150° F max) or cold, it provides excellent sludge-removal properties across the temperature range.

The SC fluid can be reused after solid matter drops to the bottom of the container or is filtered out. And when it is finally spent, the fluid can be combined with other common parts-washing liquids and disposed of conventionally.

## Instructions For Use

*NOTE: Cleaning and maintaining your hot oil temperature control system will be a lot easier if you replace the drain plug with a valve mounted externally.*

## Typical Physical Characteristics

Base Stock	Hydrocarbon
Appearance	Clear, Pale Yellow
Use Temperature	Ambient to 150° F (66° C)
Flash Point	>145° F (63° C)
Vapor Pressure	<2 mmHg@20° C
Atmospheric Boiling Point	300° F (149° C)
Specific Gravity	<1

1. Drain existing fluid while warm if possible.
2. Replace drain plug with ball or globe valve.
3. Bottom-fill system with fluid so that reservoir tank has approximately 1" to 2" of fluid in bottom, or enough to start pump.
4. Circulate cold for 3 to 4 hours. If reservoir needs to be cleaned, run discharge hose into tank through vent or open vent valve to agitate fluid in tank.
5. Let system soak overnight.
6. Start system up and circulate from 1 to 4 hours. Fluid works faster when warm. Heat to max of 150° F if possible.
7. If required, turn off heat and allow fluid to cool with pump running.
8. When fluid temperature reaches ambient (80° F), begin to drain fluid while pump is operating. Shut off pump when pressure begins to fluctuate. Continue draining system.
9. Refill system with Paratherm fluid or any compatible mineral oil-based product. Set temperature at 150° F and circulate for 1-2 hours. Shut down and drain immediately.
10. Refill system with Paratherm heat transfer fluid and put unit back into service.

## Packaging

The SC fluid is available in 5-gallon pails and 55-gallon drums. Shipment is via UPS and motor freight, and is same-day if we have your purchase order by 10:00 AM.



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*NOTE: Do not circulate through expansion tank while system is hot.*

Note: The information and recommendations in this literature are made in good faith and are believed to be correct as of the below date. You, the user or specifier, should independently determine the suitability and fitness of Paratherm heat transfer fluids for use in your specific application. We warrant that the fluids conform to the specifications in Paratherm literature. Because our assistance is furnished without charge, and because we have no control over the fluid's end use or the conditions under which it will be used, we make no other warranties—expressed or implied, including the warranties of merchantability or fitness for a particular use or purpose (recommendations in this bulletin are not intended nor should be construed as approval to infringe on any existing patent). The user's exclusive remedy, and Paratherm's sole liability is limited to refund of the purchase price or replacement of any product proven to be otherwise than as warranted. Paratherm Corporation will not be liable for incidental or consequential damages of any kind.