



# PARATHERM - NF<sup>®</sup> HEAT TRANSFER FLUID

## NON-FOULING, NON-TOXIC FOR CLOSED-LOOP HEATING TO 600°F

### GOOD!

PPE NF<sup>®</sup> Heat Transfer Fluid is rated for optimal service range from 150°F to 600°F. It is highly efficient, thermally stable and cost effective. It is a completely non-toxic NF/USP grade white mineral oil, and is certified by the FDA and USDA for use with food and pharmaceuticals and carries the USDA's incidental food contact rating. Unlike conventional heat transfer fluids NF<sup>®</sup> will not cause hard carbon formation on heated surfaces especially electrically heated oil units normally used in our industry. UL Recognized.



### - FEATURES -

- Highly efficient heat transfer to 600°F.
- Low viscosity requires less energy to pump it. Uses lower horsepower pumps.
- Excellent BTU/GPM capabilities.
- Stable Non-carbonizing, Non-corrosive.
- Fluid fouling: NF<sup>®</sup> will not cause hard carbon formation on heated surfaces.
- NF<sup>®</sup> is completely Non-toxic. It is certified by the FDA and USDA for use with food and pharmaceuticals, and carries the USDA's incidental food contact rating.
- Colorless, tasteless & odorless.
- Non-irritating to skin and eyes.
- High flash (340°F) & flammability (690°F) points.
- Insoluble with water.
- Contains virtually no aromatics, heavy metals, or compounds of sulfur or nitrogen.
- Disposal: can be combined with other used or contaminated lube oils for recycling. Check your local, state, or federal regulations first.

PART NUMBER	CONTAINER SIZE	QUANTITY PRICES	
		1	2+
PM0605	5 GAL.	\$150.00 ea.	\$135.00 ea.
PM0655	55 GAL.	1,100.00 ea.	1,060.00 ea.

Approx. Shipping Weights: 5 Gal. = 40 lbs. / 55 Gal. = 440 lbs.

**Note:** We strongly recommend that copper or copper-bearing materials **not** be used in hot oil systems. Copper, when in contact with hot fluid and air, will act as a catalyst causing the fluid to oxidize and degrade **much** more quickly.



# PARATHERM - SC<sup>®</sup> SYSTEM CLEANER FLUID

## CLEANING LIQUID FOR HOT OIL TEMPERATURE CONTROL UNITS

PPE 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<sup>®</sup> fluid is a multi-component synergistic that is compatible with any mineral oil-based thermal fluid, and many of the synthetic fluids as well.

The SC<sup>®</sup> 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 part-washing liquids and disposed of conventionally.



### - FEATURES -

- **Replace your system's fluid with SC<sup>®</sup>, then after it's clean, replace SC<sup>®</sup> with heat transfer fluid.**
- Dissolves carbon lumps and keeps them in suspension.
- Works cold or warm.
- Compatible with any mineral oil-based fluid.
- Re-use of fluid is recommended.

PART NUMBER	CONTAINER SIZE	QUANTITY PRICES	
		1	2+
SC0705	5 GAL.	\$210.00 ea.	\$190.00 ea.
SC0755	55 GAL.	1,595.00 ea.	1,535.00 ea.

Approx. Shipping Weights: 5 Gal. = 40 lbs. / 55 Gal. = 440 lbs.

### Instructions for SC<sup>®</sup> Fluid Use

1. Drain existing fluid while warm if possible.
2. Replace drain plug with ball valve.
3. Fill system with SC<sup>®</sup> 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 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 maximum of 150°F if possible.
7. Turn off heat and allow fluid to cool with pump running.
8. When fluid temperature reaches ambient,

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

begin to drain fluid while pump is operating. Shut off pump when pressure begins to fluctuate. Continue draining system.

#### - IMPORTANT -

9. **Refill system with NF<sup>®</sup> or OR<sup>®</sup> fluid or any compatible mineral oil-based product. Set temperature at 150°F and circulate for 1-2 hours. Shut down & drain immediately.**
10. Refill system with NF<sup>®</sup> Heat Transfer Fluid and put unit back into service.

Paratherm<sup>®</sup> is a registered trademark of Paratherm Corp.



## PLASTIC PROCESS EQUIPMENT, INC.

www.ppe.com • e-mail: sales@ppe.com

6385 Montessouri Street, Las Vegas, Nevada 89113  
PPE WEST 702-433-6385 • 800-258-8877 • Fax: 702-433-6388

11218 Challenger Avenue, Odessa, Florida 33556  
PPE SOUTH 727-834-8888 • 800-282-6783 • Fax: 727-834-8873

8303 CORPORATE PARK DRIVE, MACEDONIA (Cleveland), OHIO 44056, USA

Toll Free: USA, Canada & Mexico  
**800-362-0706**

PPE 216-367-7000 • Toll Free: 800-321-0562 • Fax: 216-367-7022 • Order Fax: 800-223-8305