

Thermal HS

JULABO Thermal HS is a bath fluid based on silicone.

Please note: Usage of the fluid below the lowest mentioned working temperature may result in temperature fluctuation or high temperature alarm due to hot fluid areas around the heater. Recommendation: Reduce the heater capacity during heating up until the lowest mentioned working temperature is reached. Do not use with silicone hoses! Silicone-based bath fluids can swell and dissolve silicone hoses. Therefore use JULABO metal tubing or JULABO Viton tubing or JULABO PTFE tubing for the temperature control of external systems.

Please observe the information in our safety data sheet.

Advantages:

- High stability
- Good heat conductivity
- Minimal odor
- Long fluid life



Technical data

Order number 5 liters	8940103
Order number 10 liters	8940102
Working temperature	+50 ... +250
Flash point	+270 °C
Fire point	+360 °C
Viscosity (kinematic at 20 °C)	55 mm ² /s
Density (at 20 °C)	0.96 g / cm ³
Pour point	<-60 °C
Boiling point	>300 °C
Ignition temperature	>+400 °C
Thermal expansion coefficient	0.00089 (g/(ml × K))
Heat conductivity	0.153 (W/(m × K))
Specific volume resistivity	6x10 ¹⁴ (Ohm × cm)