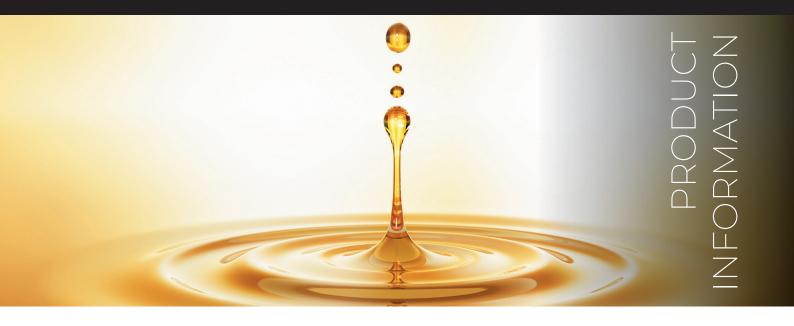


www.thermalfluidsolutions.com

**UK Head Office:** 20 Hallsteads, Doveholes, Derbyshire, SK17 8BJ +44 (0) 1298 815862

**US Office:** 25587 Conifer Road Suite 105-606 Conifer, CO USA 80433

+1 346-226-4092



## THERMINOL D-12 HEAT TRANSFER FLUID

Therminol D-12 is a synthetic liquid phase heat transfer fluid with high performance heat transfer properties over a wide temperature range. This fluid is ideally suited for applications requiring efficient cooling and heating, along with food manufacturing environments.

## PERFORMANCE BENEFITS

- Heating or Cooling Operation Therminol D-12 is ideally suited for combination heating and cooling applications, delivering excellent heat transfer rates even at -45°C (-50°F). Batch processes will benefit from the excellent cooling performance Therminol D-12 delivers. Therminol D-12 also may be used as a secondary coolant or "brine" in refrigeration loops where a broad range of properties is desired.
- Easy Operation Using Therminol D-12 avoids problems of using multiple fluids in the same piece of equipment.
- Low Cost Therminol D-12 delivers better thermal performance at lower cost than competing fluids.



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• Low Odour and Excellent Toxicity Profile – Therminol D-12 is NSF-registered with HTl status, surpassing requirements for use where there is the possibility of incidental food contact.

## PRODUCT SPECIFICATION

Clear, water-white liquid	
Synthetic hydrocarbons	
230°C (450°F)	
245°C (475°F)	
192°C (378°F)	
-1°C (30°F)	
-94°C (-137°F)	
247°C (477°F)	
277°C (531°F)	
Minimum liquid temperatures for fully developed turbulent flow ( $N_{Re} > 10000$ )	
-37°C (-35°F)	
-51°C (-59°F)	
Minimum vapor temperatures for fully developed turbulent flow ( $N_{Re} > 2000$ )	
-64°C (-82°F)	
-71°C (-96°F)	
0.001116/°C (0.000620/°F)	
0.65 mm2/s (cSt)	
1.23 mm2/s (cSt)	
162	
360°C (680°F)	
16.2 bar (235 psia)	
229 kg/m3 (14.1 lb/ft3)	
80 ppm	
2.02	

Email the TFS Team, office@thermalfluidsolutions.com or visit www.thermalfluidsolutions.com