

Hi-Tech THERM FOOD 57

NSF CERTIFIED FOOD GRADE THERMIC FLUID

Thermic Fluid technology used in USA, Europe, and Arabian countries

There are more than 100 companies in India which are providing thermic fluid in Indian market, but if you are looking for high-performance latest technology thermic fluid which has excellent operating benefits, then your first choice should be 'Hi-Tech Brand'. Hi-Tech Therm Food 57 is extra processed for more stable molecular chain and made free from sulphur and aromatic chain for food safe & long life of thermic fluid. It is manufactured out of world standard ingredient, the base oil itself having the power of 15% more in oxidation & thermal stability than other branded similar products.

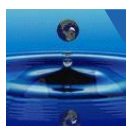


Physical Properties



Appearance

Colorless Transparent
99.9% clear



Kinematic Viscosity

@ 40°C | 27cSt



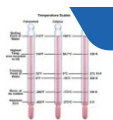
Flash point

(ASTM D-92)
220°C | 428°F



Total Acid Number

0.01 mg KOH/g



Max. bulk Temperature

320°C | 608°F



Pour Point

-20°C | -4°F



Boiling point

@1013 mbar
355°C | 671°F

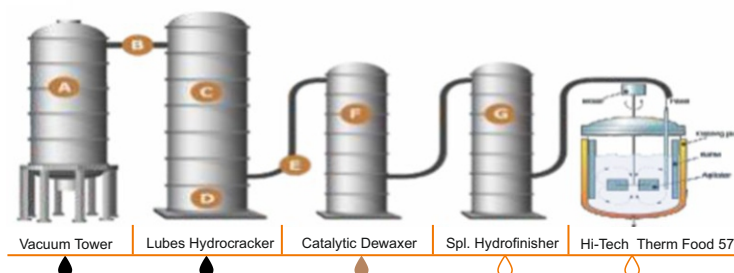


Food Grade

Reg. No. 151652
(HT1)
Incidental Food Contact

Benefits of Hi-Tech Therm Food 57

- Hi-Tech Therm Food 57 is specially formulated fluids used in the food and beverage industry to transfer heat in various processes such as cooking, baking, frying, and pasteurization. These fluids are designed to meet the stringent safety and regulatory requirements for food contact applications.
- Our product Hi-Tech Therm Food 57 has been listed in White Book of NSF, USA as a Food Grade Thermic Fluid, (HT 1) which could be safely used by industry like that of yours in Thermopac Boilers for efficient transfer of Heat (HT1 Category). You are well aware that white Book listing is done only after thorough investigation by NSF, USA.



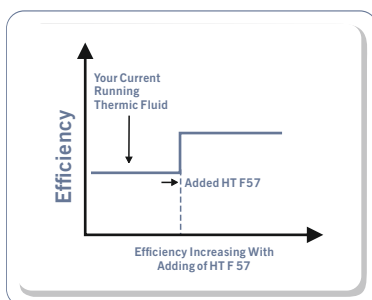
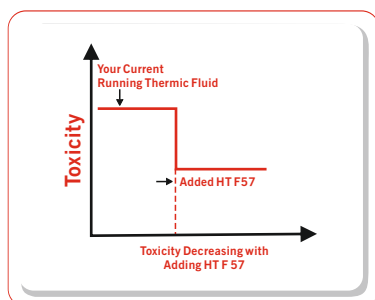
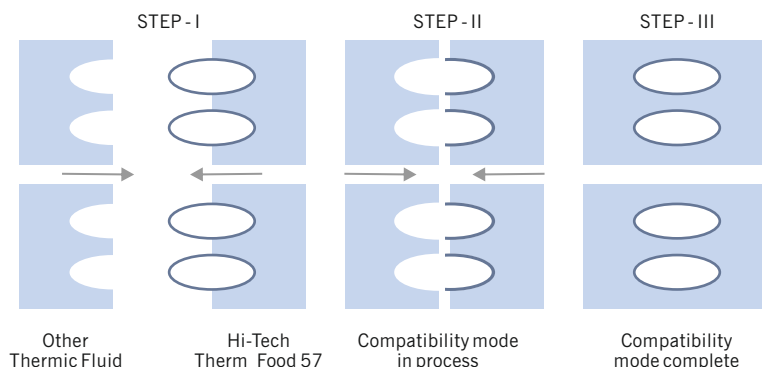
Extra processed for more stable molecular chain and made free from sulphur and aromatic chain for food safe.

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Compatibility Process With Other Thermic Fluid

We can add Hi-Tech Therm Food 57 to our existing running thermic fluid. It is compatible with Hi-Tech Therm-60, Hytherm 500-600, Shell Thermia, Servotherm, Therminol-55 and by adding Hi-Tech Therm Food 57 we can reduce the toxicity of existing thermic fluid. It will also increase the overall performance and life of your thermic fluid.



Advantage of Adding Hi-Tech Therm Food 57

You gain advantage by adding Hi-Tech Therm Food 57 for improvement in your thermic fluid performance & decreasing the toxicity of the current running thermic fluid.

Properties of Hi-Tech Therm Food 57 with respect to Temperature

Temperature °C	Specific Heat kj/kg°K	Liquid Density g/ml	Liquid Viscosity cSt	Vapour Pressure mm-Hg
-10	1.7531	0.858	374	0.00
0	1.7972	0.854	225	0.00
10	1.8211	0.850	110	0.00
20	1.8574	0.856	68	0.00
30	1.9162	0.842	43	0.00
40	1.9413	0.839	27	0.00
50	1.9981	0.834	17	0.00
60	2.0314	0.830	12	0.00
70	2.0738	0.826	8.12	0.00
80	2.1151	0.821	6.14	0.00
90	2.1538	0.817	4.61	0.06
100	2.2016	0.813	3.23	0.12
110	2.2476	0.808	2.78	0.21
120	2.2791	0.805	2.21	0.32
130	2.3152	0.801	2.00	0.37
140	2.3614	0.798	1.78	0.59
150	2.4011	0.794	1.61	0.70

Temperature °C	Specific Heat kj/kg°K	Liquid Density g/ml	Liquid Viscosity cSt	Vapour Pressure mm-Hg
160	2.4472	0.790	1.54	1.19
170	2.4913	0.786	1.46	1.79
180	2.5410	0.782	1.31	2.81
190	2.5938	0.778	1.23	4.19
200	2.6121	0.774	1.16	6.31
210	2.6572	0.770	1.07	9.14
220	2.7910	0.766	0.99	13.54
230	2.7331	0.762	0.91	19.00
240	2.7822	0.758	0.81	26.18
250	2.8241	0.754	0.75	35.12
260	2.8412	0.751	0.68	49.38
270	2.8772	0.747	0.61	66.70
280	2.9911	0.743	0.58	90.14
290	3.0262	0.740	0.52	120.82
300	3.0514	0.737	0.49	150.46
310	3.0881	0.733	0.45	278.13
320	3.1201	0.729	0.44	345.02