



GLOBALSYNTH

GLOBALSYNTH LUBRICANTS PVT LTD

An ISO 9001 : 2015 CERTIFIED COMPANY



Heat Transfer Fluid Speciality Expert

CIN - U23209DL2021PTC382265



GLOBALSYNTH HT 355

High Temperature Synthetic Heat Transfer Fluid

A high performance, efficient and environmentally friendly thermal fluid engineered for applications requiring high temperature stability to 355°C. Offering precise temperature controls it's a great alternative to ester/synthetic fluids, at a fraction of the cost.

It is ideal for a wide range of applications including, high temperature batch processing, chemical reactions, pharmaceutical and resin manufacturing.

APPLICATION

It is ideal for a wide range of applications including, high temperature batch processing, chemical reactions, pharmaceutical, Polyfilms and resin manufacturing among others.

THE DIFFERENCE

Our exclusive additive package, including a proprietary dual stage anti-oxidant, ensures long trouble free operation. GlobalSynth HT 355 also incorporates metal deactivators, a seal and gasket extender, de-foaming and particle suspension agents.

LASTS LONGER

Oxidation can cripple your system. Left unchecked, it will ultimately cause catastrophic failure and costly downtime. That's why GlobalSynth HT 355 offers unsurpassed levels of protection against oxidation, and

RUNS CLEANER

GlobalSynth HT 355 delivers superior resistance to sludging, a problem plaguing most other fluids. That makes it the best defense against extreme oxidation found in many of today's demanding manufacturing environments.






ENVIRONMENTAL

GlobalSynth HT 355 is environmentally friendly, non-toxic, non-hazardous and non-reportable. It poses no ill effect to worker safety and does not require special handling. After its long service life, Globaltherm HT 350 can easily be disposed of with other waste oils.

SYSTEM CLEANING

If your existing fluid has let you down and left you with a system full of sludge or carbon, we've developed a full line of heat transfer system cleaners to get your system back to like-new condition. Contact us for complete details.



-  **Maximum temperature: 355°C**
-  **Flash point 260°C**
-  **Alternative to chemical ester fluids**
-  **Non - toxic/ non - hazardous**
-  **Includes free fluid analysis and tech support**

TEMPERATURE RATING

Maximum Bulk/Use Temp.	355°C
Maximum Film Temp.	375°C
Pour Point ASTM D97	-30°C

SAFETY DATA

Flash Point ASTM D92	260°C
Fire Point ASTMD92	275°C
Auto Ignition ASTM E- 659-78	410°C

THERMAL PROPERTIES

Thermal Expansion Coefficient	0.00081/°C
Thermal Conductivity	W/m K
40°C	0.143
260°C	0.131
316°C	0.128
355°C	0.122
Heat Capacity	kJ/kg K
40°C	1.851
260°C	2.524
316°C	2.808
355°C	2.962

PHYSICAL PROPERTIES

Viscosity ASTM D445	
cSt at 40°C	34
cSt at 100°C	5.82
cSt at 316°C	0.68
cSt at 355°C	0.47
Density ASTM D1298	Kg/m3
38°C	853.39
260°C	702.45
316°C	665.74
355°C	642.5
Vapor Pressure ASTM D2879	kPa
38°C	0.00
260°C	0.00
316°C	8.28
355°C	15.06
Average Molecular Weight	395

The values quoted are typical of normal production.
They do not constitute a specification.



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