

Product	Sinopec L-QD400 Synthetic Heat Transfer Fluid
Summary	Product description Sinopec L-QD400 Synthetic Heat Transfer Fluid, which has excellent high temperature thermal stability, is a kind of bicomponent synthetic aromatic substances with conjugated structure. It is recommended for use as a heat transfer fluid in closed, forced or unforced, circulation systems where the bulk oil temperature does not exceed 390°C, and is widely used in petroleum chemical, synthetic fiber, synthetic resin, medicine, printing and dyeing, power generation and other industries.

Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available
in bulk

Applications

Sinopec L-QD400 Synthetic Heat Transfer Fluid is suitable for use in:

- Closed heat transmission systems with forced or unforced circulation operating at a maximum bulk temperature of 390°C.
- Drying and heating processes, such as those used in timber processing, textile finishing, food processing and the chemical industry.
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Features and benefits

- The aromatic oil has a high distillation point, which avoids pressure build up in the closed circulation system.
- Excellent thermal stability ensures the oil does not crack, break down or produce deposits at high temperatures, extends the life of the oil, protects the system and reduces maintenance costs.
- The high flash point and low evaporation rate enable the oil to be used in closed systems up to 390°C.
- The high specific heat and thermal conductivity of the oil enable rapid heat transfer, improved operating efficiency and lower operating costs.
- Good fluidity at low temperatures ensures good oil circulation, even at low-temperature start-up.
- Good rust and corrosion resistance protect the system and reduce maintenance costs.
- Used aromatic oil can be recycled or retreated to protect environment.

Product Data Sheet

Typical data

Sinopec L-QD400 Synthetic Heat Transfer Oil	
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	2.48
cSt @ 100°C	0.986
cSt @ 0°C	7.884
Thermal Stability (400°C, 720h) DIN 51528	
Appearance	Transparent Yellow
Deteriorated Substance %	5.5
Flash point (PM), °C, ISO 2719	114
Fire point , °C, ASTM E 659	609
Distillation Range	
Initial Distillation Point, °C ASTM D 8887	254
2%, °C ASTM D 86	258
Micro-Conradson Carbon Residue, %wt, ISO 10370	0.02
Sulfur Content % ,ASTM D5453	0.01
Acid Value, mgKOH/kg ,ASTM D 974	0.01

These data are given as an indication of typical values and not as exact specifications.

Industry and OEM specifications

Sinopec L-QD400 Synthetic Heat Transfer Fluid meets the performance requirements of the following industry specifications:	
DIN	51522
GB ¹	23971

¹ Note: 'GB' standards are the National Standards of the People's Republic of China.

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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