

Technical Data Sheet

IoLiTherm 73 – Fluorinated Engineered Fluid

Revision Date: 11/22/2023

Date Issued: 12/4/2023

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	IoLiTherm 73 Fluorinated Engineered Fluid
Product code	IoLiTherm 73
CAS	132182-92-4
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Email	info@iolitec.de

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-(trifluoromethyl) pentane
CAS No.	132182-92-4
REACH Registration	Not registered.
Purity	> 99%

3 PHYSICAL PROPERTIES

	IoLiTherm 73	3M™ Novec™ 7300
Color	Colorless	Colorless
Physical state (25°C)	Liquid	Liquid

Technical Data Sheet

IoLiTherm 73 – Fluorinated Engineered Fluid

Revision Date: 11/22/2023

Date Issued: 12/4/2023

Boiling point (°C)	97.8	98
Pour point (°C)	-80	-38
Liquid density (g/cm³)	1.66	1.66
Vapor pressure (mmHg)	44.9	44.9
Surface Tension (dynes/cm)	15	15
Flammability	Nonflammable	Nonflammable

4 APPLICATION

IoLiTherm 73 is a fluorinated engineered fluid and can be used as replacement for 3M™ Novec™ 7300. The non-flammable fluid with its wide liquid range and low-temperature viscosity can be used as cooling ion implanter, dry etcher and CVD machines.

Areas of application: Electronic test medium; Cleaning applications; Heat transfer medium; Lubricant carrier; Reaction media.

It shows comparable/similar properties as 3M™ Novec™ 7300 and is 100% miscible with it.

Environmental, health and safety information are provided in the Safety Data Sheet.

5 ORDER INFORMATION

Package sizes: **1 kg, 2.5 kg, 5 kg, Bulk-Quantities** (plastic canister)

We also provide the possibility of purchasing test samples (up to 5 kg) prior ordering MOQ.

Price information are available upon request.

Please send your order via email to mmm@iolitec.de or fax +49 (0)7131 – 89839109.

6 OTHER INFORMATION

DISCLAIMER

Technical Data Sheet

IoLiTherm 73 – Fluorinated Engineered Fluid

Revision Date: 11/22/2023

Date Issued: 12/4/2023

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT IS NOT PURPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.