

Technical Data Sheet

IoLiTherm 75 – 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 75 Fluorinated Engineered Fluid
Product code	IoLiTherm 75
CAS	297730-93-9
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	2-(Trifluoromethyl)-3-thoxydodecafluorohexane
CAS No.	297730-93-9
REACH Registration	Not registered.
Purity	> 99%

3 PHYSICAL PROPERTIES

	IoLiTherm 75	3M™ Novec™ 7500
Color	Colorless	Colorless
Physical state (25°C)	Liquid	Liquid
Boiling point (°C)	128	128

Technical Data Sheet

IoLiTherm 75 – Fluorinated Engineered Fluid

Revision Date: 11/22/2023

Date Issued: 12/4/2023

Pour point (°C)	-100	-100
Liquid density (g/cm³)	1.62	1.614
Surface tension (dyn/cm)	16.2	16.2
Kinetic viscosity (cSt)	0.75	0.77
Thermal conductivity (W/mK)	0.068	0.068
Dielectric strength	35 kV, 0.1" gap	35 kV, 0.1" gap
Volume resistivity (Ω cm)	2.2x10 ⁸	2.2x10 ⁸
Dielectric constant	5.8	5.8
Flammability	Nonflammable	Nonflammable

4 APPLICATION

IoLiTherm 75 is a fluorinated engineered fluid and can be used as replacement for 3M™ Novec™ 7500. The non-flammable fluid with its excellent heat resistance, chemical resistance as well as hydrolytic stability can be used in heat transfer applications.

Areas of application: Electronic Cooling; Industrial/Pharmaceutical (freeze drying, reactor cooling); Cooling of semiconductors and test equipment.

It shows comparable/similar porperties as 3M™ Novec™ 7500 and is 100% miscibile 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 order@iolitec.de or fax +49 (0)7131 – 89839109.

Technical Data Sheet

IoLiTherm 75 – Fluorinated Engineered Fluid

Revision Date: 11/22/2023

Date Issued: 12/4/2023

6 OTHER INFORMATION

DISCLAIMER

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.