

PROMOSOLV™ SILI



FEATURES

Used for the medical industry, **PROMOSOLV™ SILI** is a speciality fluid formulated to **clean, degrease, rinse and dry a wide range of materials.**

PROMOSOLV™ SILI is a proprietary formulation of the methoxy-nonafluorobutane (C₄F₉OCH₃) and methyl siloxane, clear, colourless and with a slight odour, designed to replace the existing solvents having an ODP and to be used for the cleaning operations with ultrasonics. Its high boiling point and its very low surface tension, provide to the **PROMOSOLV™ SILI some outstanding degreasing characteristics and as carrying solvent for silicones.**

This High-Tech fluid has no ODP and its thermal and chemical stability and its very low toxicity provide the best compromise for the safety in use and the environment.



SPECIFICATIONS

Characteristics	Units	Methods	Values
Aspect		Visual	Liquid, colourless
Density (at 20°C)	kg/cm ³	ASTM D 4052	1,05
Purity	%		99,8
Non volatile residues	ppm		< 2

CHARACTERISTICS

Types	Units	Methods	Values
Flash point (PMCC)	°C	ASTM D93	None
Superficial tension	mN/m	-	15
Exposure average TLV	ppm	calculated	400

PACKAGING TYPE

Packaging types of 28 kg and drums of 210 kg available.

STORAGE & VALIDITY

PROMOSOLV™ SILI is not flammable in the standard conditions of use or storage. This fluid is highly stable to thermal and chemical reaction when used or stored in normal conditions. Some more procedure are detailed into the safety data sheet available on request. This product does not sustain combustion according to the norm : ASTM D4206-86 (< 1 second).

To ensure the best product performance it is recommended to store the products in closed packaging types. Shelf life: 18 months under these conditions.

PROCESS PARAMETERS

Material compatibility

As with the most fluorinated liquids, the **PROMOSOLV™ SILI** is absorbed by the plastics and the fluorinated elastomers in case of a prolonged exposure.

Metals	Plastics	Elastomers
Aluminium	Acrylic	Butyl rubber*
Copper	Polyethylene	Natural rubber
Carbon steel	Polypropylene	Nitril rubber
Stainless steel	Polycarbonate	EPDM
Brass	Polyester	
Molybdenum	Epoxy	
Tantalum	PET	
Tungsten	ABS	
German silver	PMMA	
Alloy Cu/Be C172	C-PVC	
Alloy Mg AZ32B		
Titanium		

Tested compatibility for an exposure of 1 hour at boiling temperature.

*Butyl rubber is preferable for a prolonged exposure > 1 month.

Exceptions : swelling of PTFE and silicon rubber

The compatibility tests of **PROMOSOLV™ SILI** show a good compatibility with a large range of metals, plastics and elastomers, similar to the performance of perfluorinated liquids.

A good compatibility with plastics particularly sensible as the polycarbonate and the PMMA indicate a possible use in the cleaning unit containing numerous components.

Applications

Used mainly in the medical industry, le **PROMOSOLV™ SILI** has been developed for the cleaning of medical parts or the removal or the deposition of silicones.

PROMOSOLV™ SILI is a cleaning agent and for the dissolution of oils and greases **with a rapid evaporation rate** for some applications :

- Medical (providing satisfying medical and pharmaceutical requests)
- Watch industry
- Optics

HSE

Type	Units	Values
Environmental data		
Ozone depletion potential	ODP	none
Global warming potential	GWP	320
Toxicity		
Exposure average : 8h	TLV ppm	400
VOC		YES

R phrase : **R 53 :** May cause long-term adverse effects in the aquatic environment.

Please read carefully the safety data sheet of the product **PROMOSOLV™ SILI** before use. All safety measures should be taken. In all kind of handling or exposition to the product, the individual protection recommended by the safety data sheet should be taken. The typical figures used here above can be changed without notice.

The information contained in this product sheet is given for indicative purposes and in no way incurs the liability of INVENTEC. All users are liable, with respect to Administrative Authorities (regulation of facilities classified for the protection of the environment) for the compliance of their installation.

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