

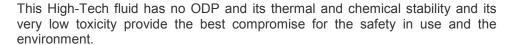




FEATURES

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

PROMOSOLVTM SILI is a proprietary formulation of the methoxynonafluorobutane ($C_4F_9OCH_3$) 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 **PROMOSOLVTM SILI** some outstanding degreasing characteristics and as carrying solvent for silicones.





SPECIFICATIONS

| Characteristics | Units | Methods | Values |
|-----------------------|--------|-------------|--------------------|
| Aspect | | Visual | Liquid, colourless |
| Density (at 20°C) | kg/cm³ | 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 | Polyehylene | 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 perfluoronated 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

| Туре | 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.

FPW.SB.10322 001 – BRY-FP-194