

PROMOSOLV™ 70

SOLVENT FOR THE DEGREASING, WAX REMOVING, RINSING OR DRYING
COMPATIBILITY WITH A WIDE RANGE OF MATERIALS
VAPOUR PHASE PROCESS

BENEFITS

PERFORMANCE & REALIBILITY	<ul style="list-style-type: none"> • Alternative to chlorinated solvents, CFC and HCFC. • PROMOSOLV™ 70 is an azeotrope-like product for the degreasing of heavy oils, greases, waxes, varnishes, particles and fluorinated lubricants. • The PROMOSOLV™ 70 can be used as a carrier solvent for the fluorocarbon lubricants, hydrocarbon and silicone. • Is NOT concern by the FGAS regulation (no phase down)
COST	<ul style="list-style-type: none"> • Reusable after filtration (1 to 3 times according to the application). • Recycling of fluorinated solvents for increasing the sustainability of the use of the products.
OTHER APPLICATIONS	<ul style="list-style-type: none"> • It can also be used for specific applications such as contact cleaning by spraying and as heat transfer.

PHYSICOCHEMICAL DATA

SPECIFICATIONS	VALUES
Appearance	clear
Purity (%)	> 99.0
RNV (ppm)	< 20
Fluorocarbon mixture (% weight)	> 10
1,2-transdichlorethylene (% weight)	> 50

CHARACTERISTICS	VALUES
Boiling point	43 °C
Freezing point	-100 °C
Flash point	Aucun
Density at 20 °C)	1,28 g/cm ³
Surface Tension at 25 °C	14 mN/m
Limit of inflammability % volume	6,7 LII / 17,8 LSI
Solubility of solvent in water	< 100 ppm

Heat transfer	
Vapor pressure at 20°C	65 kPa
Dynamic viscosity at 25°C	0,50 mPa.s
Heat of vaporization	330 kJ/kg@bp
Specific heat	1,15 kJ/kg K

PROCESS PARAMETERS*

CLEANING	Method : vapour phase process with ultrasounds Concentration : Pure Temperature : up to 43 °C
OBSERVATIONS	<ul style="list-style-type: none"> • The contact time may vary according to the surface part condition and the nature of the pollution. • It is recommended to use it in a tank provided with a cover to limit evaporation.

*The parameters will depend on such factors as operating conditions, cleaning time and the nature of contaminants

INVENTEC assists you in the study of the compatibility of pollutants with the product and in the process definition adapted to your need.

PACKAGING TYPE

Ref.	Capacity
17364	1 kg
17362	30 kg
17363	230 kg

STORAGE & VALIDITY

Store in closed container.
Storage life: 18 months.

PROMOSOLV™ 70 is noncombustible in normal conditions of use and storage. This fluid is highly resistant to heat aging and hydrolysis when stored and during use. Detailed handling procedures are provided in the corresponding safety data sheet, available on request. This product does not sustain burning according to standard ASTM D4206-86 (< 1 second).

COMPATIBILITY OF MATERIALS

Compatibility tests of the **PROMOSOLV™ 70** show good compatibility with a wide range of metals, plastics and elastomers, similar to the performance of perfluorinated liquids.

METALS	PLASTICS	ELASTOMERS
Aluminum	Nylon	Butyl rubber**
Copper	Polyethylene	Natural rubber
Carbon steel	PTFE*	Buna-S
Stainless steel	Polyester	EPDM
Brass (copper-zinc alloy)	Epoxy resin	Chlorosulfonated PE
Molybdenum		Polysulfide
Tantalum		
Tungsten		
Cu/Be C172 alloy		
Mg AZ32B alloy		

Compatible after exposure of 1 hour at boiling point.

* Exception: swelling of PTFE and silicone rubber.

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

HSE

PROPERTIES	UNITS	PROMOSOLV™ 70	TRICHLOROETHYLENE	CHLORURE DE METHYLENE
Environmental data				
Ozone depletion potential	ODP	0	< 0,005	< 0,005
Greenhouse effect	GWP	320	< 10	< 100
TOXICITY				
Mean Exposure Values MEV/8h	ppm	200*	25	50
VOC		YES	YES	YES

* This product thus complies with regulations and INRS authorizations.

Provide gloves and suitable safety glasses when handling.

Comply with the MSDS for use of the product.

ECOPROGRAMME

INVENTEC has established a return program for used solvents. Our laboratory uses the important data related to the use of solvents, and determines if the product is to be recycled or destroyed. Contact us for more information.

This data is based on information that the manufacturer believe to be reliable and offered in good faith. In no event will INVENTEC be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.

BRY-FP-180