

# PROMOSOLV™ IPA T

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

## BENEFITS

<b>PERFORMANCE &amp; REALIBILITY</b>	<ul style="list-style-type: none"> <li>Product resulting from the <b>revalorization</b> of used solvents</li> <li><b>PROMOSOLV™ IPA T</b> is an azeotrope-like product no-flammable for light degreasing, allows eliminating oils, dust and fingering prints in a vapour phase degreaser.</li> <li>When contaminants are tougher, grease, oils, polishing pastes can be eliminated with the use of a Co-solvent of the range <b>Topklean™</b> then rinsed in <b>PROMOSOLV™ IPA T</b></li> <li>Its relatively high boiling point and its very low surface tension make the <b>PROMOSOLV™ IPA T</b> a product suitable for end degreasing applications.</li> </ul>
<b>COST</b>	<ul style="list-style-type: none"> <li>Recycling of fluorinated solvents for increasing the sustainability of the use of the products.</li> </ul>
<b>OTHER APPLICATIONS</b>	<ul style="list-style-type: none"> <li>Can be used for cleaning parts containing many composite materials.</li> </ul>

## PHYSICOCHEMICAL DATA

SPECIFICATIONS	VALUES
Appearance	Clear
Acid index (mg KOH/g)	< 0,004
RNV (ppm)	< 1000
Methoxynonafluorobutane	> 95 % weight
Isopropyl alcohol	< 5 % weight

CHARACTERISTICS	VALUES
Boiling point	55 °C
Freezing point	-135 °C
Flash point	Aucun
Density at 20 °C)	1,48 g/cm³
Surface Tension at 25 °C	14,5 mN/m

Heat transfer	
Vapor pressure at 20°C	27,6 kPa
Dynamic viscosity at 25°C	0,75 mPa.s
Heat of vaporization	165 kJ/kg@bp
Specific heat	1,17 kJ/kg K

Theoretical characteristics for reference.

## PROCESS PARAMETERS\*

CLEANING	<b>Method</b> : vapour phase process with or without ultrasounds <b>Concentration</b> : Pure or in Co-solvent <b>Temperature</b> : up to 55 °C
RINSING	<ul style="list-style-type: none"> <li>In Co-solvent process the <b>PROMOSOLV™ IPA T</b> can be used for rinsing, with ultrasounds or nozzles by immersion</li> </ul>
OBSERVATIONS	<ul style="list-style-type: none"> <li>The contact time may vary according to the surface part condition and the nature of the pollution.</li> <li>It is recommended to use it in a tank provided with a cover to limit evaporation.</li> <li>It is recommended to use it in a vapour degreaser with powerful condenser coils.</li> </ul>

\*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
15333	30 kg
15443	230 kg

## STORAGE & VALIDITY

Store in closed container.  
Storage life: 18 months.

**PROMOSOLV™ IPA T** 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™ IPA T** show good compatibility with a wide range of metals, plastics and elastomers, similar to the performance of perfluorinated liquids. Good compatibility with particularly sensitive plastics such as polycarbonate and PMMA indicates a possible use in cleaning parts containing many composite materials.

METALS	PLASTICS	ELASTOMERS
Aluminum	Acrylic (PMMA)	Butyl rubber**
Copper	Polyethylene	Natural rubber
Carbon steel	Polypropylene	Nitrile rubber
Stainless steel	Polycarbonate	EPDM
Brass (copper-zinc alloy)	Polyester	
Molybdenum	Polyester	
Tantalum	Epoxy	
Tungsten	PET	
Cu/Be C172 alloy	ABS	
Mg AZ32B alloy		

Compatible after exposure of 1 hour at boiling point.

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

Exception: swelling of PTFE and silicone rubber.

## HSE

PROPERTIES	UNITS	PROMOSOL™ IPA T	TRICHLORETHYLENE	CHLORURE DE METHYLENE
<b>Environmental data</b>				
Ozone depletion potential	ODP	0	< 0,005	< 0,005
Greenhouse effect	GWP	320	< 10	< 100
<b>TOXICITY</b>				
Mean Exposure Values <b>MEV/8h</b>	ppm	750/400*	25	50
VOC		YES	YES	YES

\* This product thus complies with regulations and INRS authorizations.

Isopropyl alcohol has an 8hr. mean exposure value MEV of 400ppm.

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.*

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