

PROMOSOLV™ RN2/B

SOLVENT FOR DEGREASING, 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™ RN2/B is an azeotrope-like product for the removal of degreasing of oils, varnish, particles and fluorinated lubricants.• The PROMOSOLV™ RN2/B can be used as a carrier solvent for the fluorocarbon lubricants, hydrocarbon and silicone.
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">• Rinsing agent.

PHYSICOCHEMICAL DATA

SPECIFICATIONS	VALUES
Appearance	Clear, colorless liquid
Pentafluorobutane (% weight)	> 60
NOVEC™ 7100 (% weight)	< 40
Tertiary alcohol (% weight)	≤ 5

CHARACTERISTICS	VALUES
Boiling point	42°C
Flash point	None
Density at 20 °C	1,31 g/cm ³
RNV (ppm)	≤ 20
Surface Tension at 25 °C	13,6 mN/m
Limits of flammability (% volume)	Lower 3,3 Upper 15,3
Solubility of solvent in water	< 100 ppm

Heat transfer	
Vapor pressure at 20°C	43,3 kPa
Dynamic viscosity at 25°C	0,4 mPa.s
Heat of vaporization	180 kJ/kg@bp
Specific heat	1,10 kJ/kg K

PROCESS PARAMETERS*

CLEANING	Method : vapour phase process with or without ultrasounds Concentration : Pure Temperature : up to 42 °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
16728	30 kg
16729	230 kg

STORAGE & VALIDITY

Store in closed container.
Storage life: 18 months.

PROMOSOLV™ RN2/B 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.

HSE

Property @	units	PROMOSOLV RN2/B	CFC-113	HCFC-141b	Trichlor- ethylene	Methylene Chloride
Ozone depletion pot.	ODP	0.00	0.80	0.10	<0.005	<0.005
Global warming pot.	GWP	170	5000	630	<10	<100
Atmospheric lifetime	Years	17	85	9.4	8	0.5
VOC		YES	YES	YES	YES	YES

Please read carefully the safety data sheet of the product **PROMOSOLV™ RN2** 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.

COMPATIBILITY OF MATERIALS

As with the most fluorinated liquids, the **PROMOSOLV™ RN2/B** 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	Polycarbonate	Nitril rubber
Stainless steel	Polyester	EPDM
Brass	Epoxy	
Molybdenum	PET	
Tantalum	ABS	
Tungsten	PMMA	
Alloy Cu/Be C172		
Alloy Mg AZ32B		

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™ RN2/B** 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.

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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