

IMPASOL[®] ULTRA

SUPER DEGREASER AND THINNER IN COLD EXTRA STRONG LIQUID „ESPECIALLY FOR THE BIGGEST POLLUTION, PAINTS, OILS, LUBRICANTS, SILICONES, RESINS AND ADHESIVES“

IT REPLACES PERCHLORINE, BENZINES, ACETONES AND AROMATICS

Fast degreasing and removal liquid for industry and engineering

DESCRIPTION

IMPASOL[®] ULTRA is specifically developed like a **FAST DEGREASING THINNER**, the strongest from series **IMPASOL[®]**. It replaces dangerous, toxic and carcinogenic diluents and degreasers.

It removes and degreases mineral, vegetable and animal lubricants, oils, preservatives oils and waxes, adhesives, inks, paints, putties, resins and difficult removable dirt (mazut, tar).

Its physicochemical characteristics are directly comparable with chlorinated solvents.

Moreover **IMPASOL[®] ULTRA** solves toxicological and environmental problems.

Replacement for degreasers like is trichlor, perchlorine and benzines. Its use is avoided poisonous, dangerous and flammable diluents. We guarantee, that it does not contain methylene chloride, perchlorethylene, trichlorethylene, HCFC 141 B and glycol.

IMPASOL[®] ULTRA is non-residue degreaser with high degreasing power, with optimum evaporation and with a significant improvement in adhesion to the surface, unique surface tension.

IMPASOL[®] ULTRA IS BIODEGRADABLE. It significantly improves safety and working conditions and protects the environment. Its use avoids poisonous, dangerous and flammable diluents.

BENEFITS

- ✚ Ideal evaporation rate
- ✚ Anticorrosive
- ✚ Without aggressive odor
- ✚ Guaranteed without poisonous, carcinogenic and toxic substances
- ✚ Compatible with most plastics and elastomers
- ✚ Extreme removal power
- ✚ Unique surface tension
- ✚ Non-residue degreaser

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Combustibility. IMPASOL® ULTRA has a flash point 35°C in closed container according to ISO 2719, product IS NOT HIGHLY or EXTREMELY FLAMMABLE. HAS NO FLAME SYMBOL. Therefore, it is ideal there, where there is a risk of ignition at low temperatures and where the fire would cause enormous damage.

Odor. IMPASOL® ULTRA is without aggressive odor. It has not any poignant and irritant odor like chlorinated solvents. IMPASOL® ULTRA significantly improves ergonomic conditions in the cramped and unventilated spaces.

Evaporation rate. IMPASOL® ULTRA has the evaporation rate practically identical like is evaporation rate of perchlorethylene. At room temperature it evaporates less and the loss due to evaporation is minimal. IMPASOL® ULTRA is isotropic and its evaporation rate is stable.

Dissolution power. With KB index 90 IMPASOL® ULTRA excellent dissolves most of the oils and lubricants. Paradoxically, it is compatible with most plastics .

Density. IMPASOL® ULTRA has a low volume density : 872 Kg/m³. This low density prevents „swim dirt“ on the surface (problem, with which it can be encountered with chlorinated hydrocarbon solvents, with its use the dissolved particles settle back on the somponents over removing).

Hydrolysis. IMPASOL® ULTRA contains no stabilizers, because it does not constitute any self-hydrolyzing risk. This solvent with high purity index has the same properties as chlorine solvents, however, they can cause their regenerated base or poor stability important oxidative problems, especially before surface treatment, or before gluing and painting.

Compatibility. IMPASOL® ULTRA has low surface tension (less than 29,5 dyn/cm). It has extremely good surface wettability and ability to dilute. This property plus high degreasing abilities does this product very good economically exploitable.

DEGREASING. IMPASOL® ULTRA is excellent solvent for pure or emulsion oils, whether mineral, silicones or synthetic, which are used to lubricate or modify metals. It is ideal for removing greases and fats.

It can be used as a selective factor to eliminate adhesives or uncured putties. It removes adhesive residues from the tapes. It removes some incompletely dried paints.

IMPASOL® ULTRA extremely quickly removes oil or wax protection products used for temporary protection. Good dissolves silicone oil.

It is particularly suitable for surfces prepared for gluing or dyeing. It can be use too for cleaning surfaces before electrochemical treatment. It ha big use by washing and degreasing electrical equipments and motors.

DILUTION. IMPASOL® ULTRA can be used as a thinner for certain organic compounds. IMPASOL® ULTRA is good thinner for adhesives including anaerobic adhesives and for certain uncured resins. It can be used as a thinner for mineral and synthetic oils including POLYFLUORIC esters, fats, vaselines and liquid paraffins. It is suitable too as a diluent factor for certain elastomers and most uncured thermoplastic and heat-cured resins (hot melt adhesives).

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CLEANING. IMPASOL® ULTRA greatly dissolves resins and polymers. It replaces dangerous acetones and benzins in many cleaning applications. Thanks to its power it is excellent for dilution, removal and cleaning printing liquid colors and gels for screen printing.

IMPASOL® ULTRA is used for cleaning polluted electrical and electrotechnical materials (eg during storage), when the surface does not react to organic solvents. It can be used for cleaning of anything surface contaminated with organic or inorganic impurity.

IMPASOL® ULTRA is used for cleaning all surfaces from organic or inorganic impurities before construction, storage, before surface treatment by chemical or electrochemical, before gluing or dyeing, before chemical or electrochemical surface treatment.

COMPATIBILITY. IMPASOL® ULTRA is compatible with all metals including coated or precious metals. It can be used too for thermoplastic materials and hard thermoplastics, which does not react to organic solvents, even on compound materials (compounds).

IMPASOL® ULTRA is very effective in:

- **ENGINEERING**
 - excellent solvent of oils, lubricants (even ANTI SEIZ and silicones), preservatives oils and waxes
- **PLASTICS INDUSTRY**
 - Non-residue cleaning and degreasing molds from preservative oils and waxes (silicones too)
 - removing decal colors „Berlin Blue“
- **ELECTRICAL INDUSTRY**
 - **IMPASOL® ULTRA** is product with high purity index. Because of this is very suitable for use in electrical industry
 - It can be use to all degreasing and cleaning operations on electrical equipments
 - Idealn for electric motors
 - Does not attack materials used in electrical industry, does not damage insulating lacquers
- **GRAPHIC INDUSTRY**
 - effective eliminating inks, colors and dirt from screen printing
 - perfectly non-residue degreasing surfaces (trays of colors)
 - easy and fast cleaning cylinders
- **REMOVAL ADHESIVES AND RESINS**
 - Very effectively dilutes organic substances
 - Very well dissolves adhesives including anaerobic fluid, paste and gel, even UV
 - Very well dissolves non-crosslinked resins
 - Very well dissolves bitumens and asphalt
- **PREPARATION OF SURFACES BEFORE DYING, GLUING AND BEFORE APPLICATION OF LUBRICANTS**
 - It guarantees non-residue surface cleaning before next treatment
 - Significantly increases surface adhesion
 - It can be use for preparation of surfaces of metals, plastics, composites and elastomers
 - Ideal for removal organic and inorganic marks before next surface treatment
 - Does not contain any stabilizer and does not cause surface oxidation
- **DEGREASING AND CLEANING BRAKES AND CLUTCHES**
 - Greatly dissolves brake fluids, lubricants, tar and fine dust from lining
 - Evaporation rate allows penetrations of liquid into the plates and degreasing from „the depth“
 - Completely cleanses all dirt, thus preventing whistling and reduces clutch and brake slippage

IMPASOL[®] ULTRA

IMPASOL[®] ULTRA is used clean, cold. Individual parts can be cleaned manually, with cloth, by soaking, but also by rinsing and elution of systems. Surface can be subsequently cleaned with water under low and high pressure, which better removes residual lubricants, paints, lacquers and dirt, thereby greatly reducing the economic costs.

IMPASOL[®] ULTRA is applied with a cloth, brush, by dipping, rinsing, in tank, spraying, by dive, with or without mixing (circuits). Surface cleaning time (removal of old paint) depends on the nature of the deposit, respectively coating, which is need to remove, on its thickness and phase of curing (polymerization).

IMPASOL[®] ULTRA is able to clean low coatings in approximately 0,3 to 3 minutes, layers (5-500µm). In case of removing multiple layers this time can be longer (5 minutes and more by layers of coating).

Usage the **IMPASOL[®] ULTRA** does not require any subsequent investment into a costly washing line, security measures, special storages of flammable and mordants, etc.. It is very easy to adapt for each removal and degreasing process (very suitable for washing systems, dipping and diving baths).

METHOD OF USE

- ☺ Cloth
- ☺ Immersion
- ☺ Dipping
- ☺ Tampon
- ☺ Brush
- ☺ Circulation
- ☺ Immersion and mixing
- ☺ Low-pressure spraying

CHARACTERISTICS	NORM	VALUE	UNIT
Looks	Visually	Liquid	
Color	Interne CQ 016	Transparent	
Test - Copper plate corrosion 100 h in 40°C	ASTM D 130 NFM M 07015	1a	Record
Physical state	Visually	Liquid	
Water dilutability		ne	
Index KB, the ability of the solvent	ASTM D 1133	90	[bonitace]
Refractive index of light, at 20°C	ASTM D 1218	1,500	
Density at 25°C	EN ISO 12 185	872	kg/m ³
Flash point in closed container	ISO 2719	38	°C
Self-ignition point	ASTM E 659	More than 250	°C
Freezing point	ASTM D 97	-35	°C
The residue after evaporaion	ASTM D 1209	0	%
Relative evaporation rate (ether=1)	DIN 53 170	37	
Pressure (tension) vapor at 20°C	NF M 07 007	3	mbr
Surface tension at 20°C	ISO 6295	30,4	Dynes/cm
Viscosity at 25°C	ASTM D 445	0,95	mm ² /s
Evaporation rate	NF T 30 301	15	minutes

PACKAGING : 30 a 200 litrů

Instruction for use :

IMPASOL[®] ULTRA is clean remover applicable to all types of materials. The parts clean rinsing or dipping. Removal time is dependent on the thickness and phase of curing (polymerization), removal temperature and on the possible use of ultrasound.

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