

IMPASOL® SOLVENT S80

ABSOLUTELY SAFE REMOVER

EXTRA STRONG CLEANING LIQUID DESIGNED SPECIFICALLY FOR NON-CROSSLINKED POLYMERS, ADHESIVES AND HEAVILY REMOVABLE DIRTS

REPLACES CHLORINATED SOLVENTS, XYLENE, ACETONE and MEK

IMPASOL® SOLVENT S80 is specifically designed for **removal non-crosslinked polymers** and as an immediate substitute for removal of colours, paints, inks and adhesives used in production. **Allows eliminating residual tracks on screws from polymers during extrusion sommpresion**, but on the forms, machinery or their parts too. **Unique solvent for contact adhesives (even resins) crosslinked under UV.**

IMPASOL® SOLVENT S80 is very effective on carboxaldehyde cellulose.

Cleans and removes before the end of the polymerization most colors, paints, inks, resins and adhesives. **It is ideal for universal resin removal on any basis and products from it (colors, inks, adhesives and products).** Effective and economical removal of a wide range of coatings, single-component systems, heat-curable systems and even systems with UV polymerization before crosslinking. Significantly improves safety conditions. **BIOLOGICALLY READILY DEGRADABLE.** Its use avoids poisoning, dangerous and flammable diluents.



BENEFITS

- ✚ COLD CLEANER
- ✚ NON-FLAMMABLE
- ✚ Optimum evaporation rate
- ✚ Anticorrosive
- ✚ Extreme removal power
- ✚ Unique surface tension
- ✚ Non-residue degreaser
- ✚ Guaranteed without poisonous, carcinogenic and toxic substances

IMPASOL® SOLVENT S80 is very effective for:

- Wide range NON-CROSSLINKED products, cleans EXTRA STRONG and safely

IT HAS NOT ANY THIS SYMBOL neither H-clause !!



- ✚ NO DANGER FOR THE ENVIRONMENT 100% BIODEGRADABLE, NO DANGER FOR PRODUCT USERS
- ✚ EXCELLENT EFFICIENCY
- ✚ ECONOMICAL – WASHABLE WITH WATER

IMPASOL® SOLVENT S80 absolutely meets this criteria, and thus departs from conventional removers, which are produced on based of poisonous, toxic and flammable solvents or aggressive aqueous mixtures.

IMPASOL[®] SOLVENT S80

IMPASOL[®] SOLVENT S80 is used clean, cold and heat up to 60°C. Individual parts can be cleaned by dipping even using ultrasound. The surface can then be cleaned with water under low and high pressure, which better removes residues of colors, paints and dirt, and this greatly reduces our economic costs.

IMPASOL[®] SOLVENT S80 is applied with a cloth, brush, by dipping, in the tank, spraying, by dive, with or without mixing (circuits). Surface cleaning time (removing old paint and coatings) depends on the nature of the deposit, respectively coating, which needs to be removed, on its thickness and degree of cure (polymerization).

IMPASOL[®] SOLVENT S80 is able to clean poor coatings in about 2 to 8 minutes, coatings (5-10µm). In case of removing multiple layers of coating this time may be longer (30 minutes and more by layer of coating).

Usage **IMPASOL[®] SOLVENT S80** does not require any subsequent investment into a costly washing line, security measures, special stores of combustibles and caustics, etc.. It is very easy to adapt to each removal and degreasing process (very suitable for dipping and diving baths), great works in ultrasonic dishwasher to temperature 60°C at frequencies 25 or 40kHz. It greatly reduces removal and degreasing time.

APPLICATION IMPASOL[®] SOLVENT S80

- Rinsing and cleaning systems, pumps, spray guns and heads.*
- Rinsing and cleaning systems and end caps from the deposition of polyester and cellulosic resins, PVA, gels and colors.*
- Rinsing and cleaning punches from resins.*
- Rinsing and cleaning applicators and nozzles contaminated with resins, adhesives, colors, paints and foams.*
- Cleaning brushes, rollers, tools, applicators from polyester resins and unpolymerized colors.*
- Dipping, spraying and cleaning stainless steel cylinders – removing of coatings and adhesives, gravure printing.*
- Cleaning screen printing on textiles.*
- Cleaning surfaces contaminated by resins, adhesives, colors, paints and inks.*
- Cleaning screen printing and their components.*
- Cleaning by spraying and brushing of production tanks and mixers.*
- Cleaning application equipment (spray booths)*
- Removing labels*
- Washing of tanks, mixing and dispensing equipment of resins.*

IMPASOL[®] SOLVENT S80 is primarily recommended to:

- *Dipping and spraying of applicators, cylinders, nozzles and diffusers polluted by paints, colors, adhesives and resins.*
- *Cleaning stack, accessories, tanks, mixing devices from resins, colors and paints.*
- *Fast removal of colors and paints in the printing industry*
- *Machine-rag cleaning from prints and colors*
- *Cleaning with cloth application equipment on resin, spraying booths*

IMPASOL[®] SOLVENT S80

Combustibility. IMPASOL[®] SOLVENT S80 has the flash point in closed container according to ISO 2719 75°C, product IS NOT FLAMMABLE. Therefore, it is ideal where there is a risk of ignition and where the fire would cause tremendous damage.

Odor. IMPASOL[®] SOLVENT S80 is practically odorless. Has not any acrid and poignant odor as chlorinated solvents. IMPASOL[®] SOLVENT S80 significantly improves ergonomic conditions in cramped and unventilated spaces.

Evaporation rate. IMPASOL[®] SOLVENT S80 has evaporation rate 2,5 hours, is ideal where we need to let the product work long without loss of evaporation. At room temperature it evaporates less and the loss during the evaporation is minimal. IMPASOL[®] SOLVENT S80 is isotropic and its evaporation rate is constant.

Dissolution power. With KB index IMMEASURABLE IMPASOL[®] SOLVENT S80 greatly dissolves most of the coatings. Paradoxically, it is compatible with most plastics.

Density. IMPASOL[®] SOLVENT S80 has a low bulk density: 951 Kg/m³. This low density prevents „swim dirt“ on the surface (a problem that can be encountered with chlorinated hydrocarbon solvents, in which use the dissolved particles settle back on the parts upon removal).

Hydrolysis. IMPASOL[®] SOLVENT S80 does not contain any stabilizers, because it does not represent any self-hydrolyzing risk. This solvent with high purity index has the same properties as chlorine solvents, which however can cause with its regenerated base or bad stability severe oxidation problems, primarily before surface treatment.

Wettability. IMPASOL[®] SOLVENT S80 has low surface tension (less than 28,8 dyn/cm). Has extremely good surface wettability and ability to thin. This property plus high degreasing capabilities make this product very well economically usable.

DEGREASING. IMPASOL[®] SOLVENT S80 is excellent solvent of clean or emulsion oils, whether mineral or synthetic, which are used for lubrication or metal treatment. It is ideal for removing greases and fats. It is an excellent solvent for cellulose-based products.

Can be used as selective factor to eliminate adhesives or uncured putties. Removes adhesive residue from tapes. Removes some incompletely dyed colors.

IMPASOL[®] SOLVENT S80 extremely quickly eliminates oil or waxy protective products used for temporary protection. Well diluted silicone oil.

DILUTION. IMPASOL[®] SOLVENT S80 can be used as diluent for certain organic compounds. Can be used as diluent for mineral and synthetic oils including esters, fats, vaselines and liquid paraffins. It is also suitable as a diluent for certain elastomers and most uncured thermoplastic and heat-cured resins (melting adhesives).

CLEANING. IMPASOL[®] SOLVENT S80 greatly dissolves resins and polymers. Replaces dangerous acetones and benzines in many cleaning applications. Thanks to its power it is excellent for dilution, removal and cleaning printing liquid colors and gels for screen printing. Can be used for cleaning of any surface contaminated with organic or inorganic impurity.

METHOD OF USE

- 👁️ Cloth
- 👁️ Immersion
- 👁️ Tampon
- 👁️ Ultrasound
- 👁️ Brush
- 👁️ Circulation
- 👁️ Immersion and mixing
- 👁️ Low pressure spraying

REGENERATION

Regeneration of product can be done in two ways:

- ✚ By distillation
- ✚ Sedimentation

Distillation temperature **IMPASOL® SOLVENT S80** in atmospheric pressure is 184-193°C.

The most suitable is to distill under reduced pressure, operate below 150°C: in 0.2 bar (200mbar) at temperature 125°- 145°C (calculated values). The length of the distillation is dependent on the distillation apparatus.

The most advantageous product regeneration:

IMPASOL® SOLVENT S80 has low density: 951 kg/m³ and viscosity 3,7. **Thanks to its density, wetting power and surface energy (28,8 mN/m) allows settling (sedimentation) dissolved dirt when washing at the bottom of the bathtubs.** Its low density and special folders prevent „swim dirt“ on the surface or in solution (problem, with which it is possible to meet with chlorinated hydrocarbon solvents, when the dissolved particles settle down back to parts when removing).

CHARACTERISTICS	NORM	VAULE	UNIT
Look	Visually	Liquid	
Color	Internally CQ 016	Transparent	
Test - Copper plate corrosion 100 h in 40°C	ASTM D 130	1a	Record
Physical state	Visually	Liquid	
Water dilutability		100%	
Index KB, the ability of the solvent	ASTM D 1133	immeasurable	[bonitace]
Refractive index of light, at 20°C	ASTM D 1218	1,4210	
Density at 25°C	EN ISO 12 185	951	kg/m ³
Flash point in the closed container	ISO 2719	75	°C
Auto-ignition point	ASTM E 659	267	°C
Freezing point	ASTM D 97	-83	°C
The residue after evaporation	ASTM D 1209	0	%
Evaporation rate relatively (ether=1)	DIN 53 170	351	
Pressure (tension) vapor at 20°C	NF M 07 007	0,37	mbar
Surface tension at 20°C	ISO 6295	28,8	Dynes/cm
Viscosity at 25°C	ASTM D 445	3,7	mm ² /s
Evaporation rate	NF T 30 301	150	minute

PACKAGING : 30 and 200 liters

Instructions for use :

IMPASOL® SOLVENT S80 is clean remover applicable to all types of materials. Clean parts by dipping in the bath with or without circle. We can also apply **IMPASOL® SOLVENT S80** and then (after softening and peeling the layer) rinse with pressure water for rapid removal coarse impurities (colors, paints, coatings), this will also reduce consumption **IMPASOL® SOLVENT S80**. The removal time depends on the strength (thickness) and the degree of cure (polymerization), removal temperature and on the possible use of the circuit. **IMPASOL® SOLVENT S80** is able to clean in about 2 to 8 minutes weak coatings, paints (5-10µm). In case of removing multiple layers of paint this time may be longer (30 minutes and more by layer of coating) and on an eventual use in an ultrasonic dishwasher to the temperature 40°C at frequencies 25 or 40kHz.

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