

# IMPASOL<sup>®</sup> SOLVENT S80

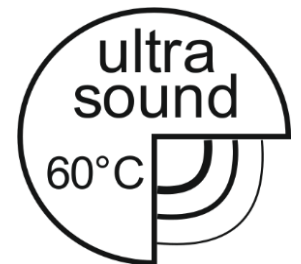
**EXTRA STRONG, ABSOLUTELY SAFE CLEANING FLUID SPECIFICALLY FOR NON-CROSSLINKED POLYMERS, ADHESIVES AND HARD TO REMOVE CONTAMINANTS**

**REPLACES CHLORINATED SOLUTIONS, XYLENE, ACETONE AND MEK**

**IMPASOL<sup>®</sup> SOLVENT S80** is specifically developed for the **removal of non-crosslinked polymers** and as an immediate replacement for the removal of paints, varnishes inks and adhesives used in manufacturing. **It allows the elimination of residual traces of polymers during extrusion pressing** on screws, but also on moulds, machines or their parts. **Unique solvent for contact adhesives (even resins) crosslinked under UV.**

**IMPASOL<sup>®</sup> SOLVENT S80** is very effective on carboxalkyd celluloses. It cleans and removes before the end of polymerization most paints, varnishes, inks, resins and adhesives. **It is ideal for universal removal of any resin base and resin products (paints, inks, adhesives).** **Very effective on a wide range of non-crosslinked products, cleans extra strong and safely.** Provides effective and economical removal of a wide variety of coatings, one-part systems heat curable systems and even UV polymerized systems prior to crosslinking.

- ✓ 100% biodegradable
- ✓ Non-flammable - Does not fall into ATEX ZONE
- ✓ Cleans cold and hot
- ✓ Degreases residue-free
- ✓ Anti-corrosive
- ✓ Extreme stripping power
- ✓ Optimum evaporation
- ✓ Unique surface tension
- ✓ Economical - water washable, minimal evaporation losses
- ✓ Guaranteed free of toxic, poisonous and carcinogenic substances



**ABSOLUTELY SAFE, HAS NO CLP SYMBOL!**

**Does not endanger health by inhaling hazardous substances, does not irritate the skin. It does not endanger nature, does not cause climate change and provides an absolutely safe working environment.**



The use of **IMPASOL<sup>®</sup> SOLVENT S80** does not require any subsequent investment in costly washing lines, safety measures, special storage of flammable and corrosive substances, etc... It adapts very easily to any stripping and degreasing process (very suitable for soaking and immersion baths). Significantly reduces the removal and degreasing time.

## APPLICATION OF IMPASOL® SOLVENT S80

- *Flushing and cleaning of systems, pumps, spray guns and heads*
- *Flushing and cleaning systems and nozzles of polyester and cellulose resins, PVA, gels and paints*
- *Flushing and cleaning of resin stamps*
- *Flushing and cleaning of applicators and nozzles contaminated with resins, adhesives, paints and foams*
- *Cleaning brushes, rollers, tools, applicators and utensils from polyester resins and paints*
- *Soaking, spraying and cleaning stainless steel rollers, applicators, nozzles and diffusers - removing coatings of paints, varnishes, inks, resins, adhesives and gravure*
- *Cleaning of screen prints and their components also on textiles*
- *Cleaning of surfaces contaminated with resins, adhesives, paints, varnishes and inks*
- *Spray and brush cleaning of storage tanks, production tanks and mixing equipment*
- *Microfiber cleaning of machinery structures from inks and paints*
- *Cleaning of application equipment (spray booths) from resins, paints, varnishes and lacquers*
- *Removing stickers and labels*
- *Cleaning of resin tanks, tanks, mixing and dispensing equipment*
- *Paint and varnish removal in the printing industry*

**Flammability:** Has a flash point in a closed container according to ISO 2719 of 75°C, the product is NOT Flammable. It is therefore ideal where there is a risk of ignition at high temperatures and where a fire would cause extensive damage.

**Odour:** It does not have a pungent and irritating smell like chlorinated solvents. Significantly improves ergonomic conditions in confined and unventilated spaces.

**Evaporation rate:** The evaporation rate is 2.5 hours. It is ideal where there is a need to leave the product for a long time without loss of evaporation. It evaporates less at room temperature and evaporation loss is minimal. It is isotropic and its evaporation rate is constant.

**Dissolving power:** With a KB index of UNMEASURABLE, it dissolves most coatings excellently. Ironically, it is compatible with most plastics and rubbers.

**Density:** It has a low bulk density of 951 Kg/m<sup>3</sup>. This low density prevents dirt from "floating" on the surface (a problem that can be encountered with chlorinated hydrocarbon solvents, where dissolved particles settle back onto the parts during removal).

**Hydrolysis:** It does not contain any stabilisers as it does not pose any autohydrolysis risk. This high purity index solvent has the same properties as chlorinated solvents, which, however, can cause serious oxidation problems with their regenerated base or poor stability, especially before surface treatment.

**Compatibility:** It has low surface tension (less than 28.8 dynes/cm), extremely good surface wettability and dilution ability. This characteristic, together with its high degreasing ability, makes this product very good economical.

**Degreasing:** Excellent solvent for pure or emulsion oils, either mineral or synthetic, used for lubrication or metal finishing. It is ideal for the removal of lubricants and greases. Removes adhesive residue from tapes and some not fully dried paint. It is an excellent solvent for cellulose based products. Can be used as a selective agent to eliminate adhesives or uncured sealants. Removes oil or wax protection products used for temporary protection extremely quickly. Dilutes silicone oil well.

**Dilution:** It can be used as a diluent for certain organic compounds, for mineral and synthetic oils including esters, fats, petrolatum and liquid paraffins. It is also suitable as a diluent for certain elastomers and most uncured thermoplastic and heat cured resins (hot melt adhesives).

**Cleaning:** Dissolves cellulose, resins and polymers. Replaces hazardous and flammable acetones and gasolines in many cleaning applications. Its strength makes it excellent for diluting, removing and cleaning screen printing liquid inks and gels. It can be used to clean any surface contaminated with organic or inorganic dirt.

## Regeneration of the product can be done by distillation or sedimentation

The distillation temperature of **IMPASOL® SOLVENT S80** at atmospheric pressure is 184-193°C. Distillation under reduced pressure at temperatures up to 150°C is the most suitable. For example, at a pressure of 0.2 bar (200mbar) at a temperature of 125°-145°C (calculated values). The length of distillation depends on the distillation apparatus.

The most advantageous product regeneration: the **IMPASOL® SOLVENT S80** has a low density of 951 kg/m<sup>3</sup> and a viscosity of 3.7. **Due to its density, wetting power and surface energy (28.8 mN/m), it allows the settling (sedimentation) of dissolved dirt during washing on the bottom of the tub.** Its low density and special ingredients prevent dirt from "floating" on the surface or in solution (a problem encountered with chlorinated hydrocarbon solvents where dissolved particles settle back onto the parts during removal).

## METHOD OF USE:

Immersion, Immersion and mixing, Soaking, Circulation, Brush, Microfiber, Tampon, Low pressure spraying, Ultrasound

CHARACTERISTIC	NORM	VALUE	UNIT
Appearance	Visually	Liquid	
Colour	Interne CQ 016	Transparent	
Test-Copper plate corrosion 100h at 40°C	ASTM D 130	1a	Record
Dilution by water		100%	
KB index, solvent ability	ASTM D 1133	not measurable	[bonitation]
Refractive index of light, at 20°C	ASTM D 1218	1,4210	
Density, at 25°C	EN ISO 12 185	951	kg/m3
Flash point in a closed container	ISO 2719	75	°C
Autoignition point	ASTM E 659	267	°C
Freezing point	ASTM D 97	-83	°C
Residue after evaporation	ASTM D 1209	0	%
Evaporation rate relative (ether=1)	DIN 53 170	351	
Vapour pressure (tension) 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 <sup>2</sup> /s
Evaporation rate	NF T 30 301	150	minutes

## Instructions for use:

**IMPASOL® SOLVENT S80** is a clean remover applicable to all types of materials. It can be used clean, cold or hot up to 60°C. **The individual parts can be cleaned by soaking (in a bath with or without a circuit) even using ultrasound.** Alternatively, **IMPASOL® SOLVENT S80** can be applied and after softening and peeling off the layer, then rinsed with pressurised water to quickly remove coarse contaminants (paints, varnishes, coatings), thus reducing product consumption. The removal time depends on the thickness (thickness) and degree of curing (polymerisation), the temperature during removal and the possible use of a circuit. **IMPASOL® SOLVENT S80 is able to remove weak coatings, coatings (5- 10µm) in approximately 2 to 8 minutes. In the case of removing multiple layers of coating, this time can be even longer (30 min or more) depending on the number of layers of coating or if used in an ultrasonic washer up to 60°C at 25 or 40kHz.**

Packaging: 5l, 30l and 200l

HF SERVIS s.r.o., Plešnice 25, 330 33 Czech republic,

Tel: +420 377 279 255, E-mail: [impasol@hfservis.cz](mailto:impasol@hfservis.cz)

**WWW.IMPASOL.COM**