

IMPASOL[®] SOLVENT S30

**TECHNICAL REMOVER FOR PAINT, PAINT, POLYMER AND GLUE
REMOVES XYLENE, ISOPROPYL ALCOHOL, ACETONE AND MEK
SPECIALLY FOR CELLULOSE
FAST EVAPORATION**

IMPASOL[®] SOLVENT S30 is specifically developed as an **extra fast residue-free degreasing solvent, especially for cellulose.** It replaces **ACETONE, ISOPROPYL ALCOHOL, XYLENE** and **MEK** based diluents. Designed for **QUICK AND SAFE** removal and degreasing of dirt and dilution of cellulose products (paints, inks, adhesives). It is very effective on water dilutable systems, PVA, hydroxalkyl and carboxyalkyl celluloses, cellulose acetates and nitrocelluloses.

It can also be used as a surface degreaser with optimum evaporation (5 min.) and a significant improvement in surface adhesion. It is ideal for highly efficient and economical removal of a wide range of coatings, single component systems, heat cured PVA systems.

IMPASOL[®] SOLVENT S30 can be rinsed with hot and cold water under low and high pressure and thus greatly reduces economic costs. The individual parts can be cleaned by soaking and ultrasonic cleaning. It significantly improves safety and working conditions and protects the environment. By using it you avoid toxic, dangerous and flammable solvents.

- ✓ **Completely safe for the environment**
- ✓ **100% biodegradable**
- ✓ **Not in ATEX ZONE**
- ✓ **Residue-free degreasing**
- ✓ **Excellent efficiency**
- ✓ **Economical - water washable**
- ✓ **Fast evaporation**
- ✓ **Anti-corrosive**
- ✓ **Unique surface tension**
- ✓ **Guaranteed free of toxic, poisonous and carcinogenic substances**

The use of **IMPASOL[®] SOLVENT S 30** does not require any subsequent investment in expensive 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).

APLIKACE IMPASOL® SOLVENT S30:

- *Glass cleaning and degreasing*
- *Cleaning and degreasing in the electronic and optical industry*
- *Flushing and cleaning of systems, pumps, spray guns and heads.*
- *Flushing and cleaning of systems, pumps, spray guns and heads for PVA equipment.*
- *Flushing and cleaning of systems and tips from cellulose resin, gel and paint deposits.*
- *Flushing of ink reservoirs in offset printing and flexography.*
- *Flushing and cleaning applicators, cylinders, diffusers and nozzles contaminated with resins, adhesives, paints, varnishes and foams.*
- *Cleaning brushes, rollers, tools, applicators and utensils from cellulose resins and unpolymerized inks.*
- *Soaking, spraying and cleaning stainless steel rollers - removing paint and adhesive coatings, gravure printing.*
- *Sticker and label removal*
- *Cleaning screen printing on glass, plastics, metals, textiles - spray application.*
- *Cleaning of reservoirs, accessories, tanks, mixing equipment contaminated with resins, adhesives, paints, varnishes and inks.*
- *Washing of resins, tanks, mixing and dispensing equipment.*
- *Spray and brush cleaning of production tanks and mixers.*
- *Removal of inks and varnishes in the printing industry.*
- *Cleaning of coating equipment (spray booths).*

IMPASOL® SOLVENT S30 Comparison Table

SOLVENT	Evaporation rate	Dissolving power	Odour	Flash point
SOLVENT S 30	5 min	+ + +	Low	31°C
Acetone	3 min	+ + +	Extra High	- 18°C
MEK	1 min 20 sec.	+ +	High	-9°C
ISOPROPYL ALCOHOL	4 min	+	High	13°C
TOULENE	4 min	+ + +	Extra High	4°C
XYLENE	10 min	+ +	Extra High	27°C

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

IMPASOL® SOLVENT S30 has been adapted for the most suitable and simplest product recovery by sedimentation and subsequent pumping of the pure product without loss of KB Index (diluent capability). This feature, together with the high degreasing capacity, makes this product very well economically exploitable.

IMPASOL® SOLVENT S30 has a density of 916 kg/m³ and a viscosity of 1.7. **Due to its density, wetting power and surface energy, it allows dissolved dirt to settle (sediment) on the bottom of the tub during washing.** Its low density and special ingredients prevent dirt from "floating" on the surface or in the solution (a problem encountered with chlorinated hydrocarbon solvents and aqueous tenside solutions where dissolved particles settle back onto the parts during removal).

The distillation temperature of **IMPASOL® SOLVENT S30** at atmospheric pressure is 120-160°C. The most suitable distillation is under reduced pressure, at temperatures up to 150°C. For example at a pressure of 0.2 bar (200mbar), at a temperature of 85-125°C (calculated values). The length of distillation depends on the distillation apparatus.

METHOD OF USE:

Immersion, Immersion and agitation, Soaking, Circulation, Brush, Microfiber, Swab, Low pressure spraying, Ultrasonic

CHARACTERISTICS	NORM	VALUE	UNIT
Appearance	Visually	Liquid	
Colour	Interne CQ 016	Transparent	
Test - Copper plate corrosion 100h at 40°C	ASTM D 130 NFM M 07015	1a	Record
Physical condition	Visually	Liquid	
Dilution by water		100%	
KB index, solvent ability	ASTM D 1133	Immeasurable	[bonitation]
Refractive index of light, at 20°C	ASTM D 1218	1,402	
Density, at 25°C	EN ISO 12 185	916	kg/m ³
Flash point in closed container	ISO 2719	31	°C
Autoignition point	ASTM E 659	287	°C
Freezing point	ASTM D 97	-97	°C
Residue after evaporation	ASTM D 1209	0	%
Evaporation rate relative (ether=1)	DIN 53 170	20	
Vapour pressure (tension) at 20°C	NF M 07 007	1,02	kPa
Surface tension at 20°C	ISO 6295	27,7	Dynes/cm
Viscosity at 25°C	ASTM D 445	1,7	mm ² /s
Evaporation rate	NF T 30 301	5	minutes

Instructions for use:

IMPASOL® SOLVENT S30 is a clean remover applicable to all types of cold materials. Applications are possible by soaking in a bath with or without a circuit.

Another option is to apply **IMPASOL® SOLVENT S30** and after softening and peeling off the layer, then rinse with pressurized water to quickly remove coarse contaminants (paints, varnishes, coatings), thus reducing product consumption. The removal time is dependent on the thickness (thickness) and degree of curing (polymerisation), the removal temperature and the possible use of a circuit.

IMPASOL® SOLVENT S30 is able to clean weak coatings, coatings (5-10µm) in approximately 3 to 6 minutes. In the case of removing multiple layers of coating, this time can be longer (30 min or more) depending on the number of layers of coating.

COLD ULTRASONIC CLEANING: Works great in a cold ultrasonic cleaner at 25 or 40kHz. Significantly reduces removal and degreasing time.

Packaging: 5l, 30l and 200l

HF SERVIS s.r.o., Plešnice 25, 330 33 Czech republic,
Tel.: +420 377 279 255, technik@hfservis.cz

WWW.IMPASOL.COM