



Datasheet - Last update: 2023/07/11



# iBiotec®

**SERIMAX FAST 80**  
**SOLVENT FOR WASHING**  
**AFTER SCREEN-PRINTING**  
**SCREEN PRODUCTION**

Can be removed with water  
Immediate action time

Not classified as flammable, flash point: 80°C



**Compatible with all screens**

**Silk**

**PA Polyamide-Nylon**

**PEN UP Polyester**

**EVA Ethylene Vinyl Acetate**

**No voltage defects**

**No effect on block making**



## AREAS OF USE

Automatic washer  
Manual brushing and high-pressure rinsing  
Spray washing machine  
Wetting

## PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Clear	-
Colour*	Visual	Amber	-
Odour	Olfactory	Fruity	-
Density at 25°C	NF EN ISO 12185	977	kg/m <sup>3</sup>
Refractive index	ISO 5661	1.4270	-
Freezing point	ISO 3016	< -25	°C
Solubility in water	-	100	%
Kinematic viscosity at 40°C	NF EN 3104	2.4	mm <sup>2</sup> /s
Acid value	EN 14104	0	mg(KOH)/g
Iodine value	NF EN 14111	0	gl <sub>2</sub> /100g
Water content	NF ISO 6296	0.0	%
Residue after evaporation	NF T 30-084	0	%

## PERFORMANCE CHARACTERISTICS

PROPERTIES	STANDARDS	VALUES	UNITS
Kauri Butanol index	ASTM D 1133	190	-
Evaporation rate	-	200	min
Surface tension at 20°C	ISO 6295	34.5	Dynes/cm
Copper blade corrosion 100h at 40°C	ISO 2160	1a	Rating

## FIRE SAFETY PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Flash point (vacuum)	ISO 2719	80	°C
Self-ignition point	ASTM E 659	> 230	°C
Lower explosive limit	NF EN 1839	0.7	% (by volume)
Upper explosive limit	NF EN 1839	7.0	% (by volume)

## TOXICOLOGICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Anisidine value	NF ISO 6885	0	-
Peroxide value	NF ISO 3960	0	meq(O <sub>2</sub> )/kg
TOTOX (anisidine value + 2x peroxide value)	-	0	-
CMR, irritating and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%

## ENVIRONMENTAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Biodegradability	OECD 301	easily biodegradable	-
Vapour pressure at 20°C	-	0.1	kPa
VOC content (Volatile Organic Compounds)	-	60	%
Sulphur content	GC-MS	0	%
Benzene content	ASTM D6229	0	%
Total halogen content	GC-MS	0	%
Chlorinated solvent content	-	0.00	%
Aromatic solvent content	-	0.00	%

Environmentally hazardous substances content	CLP Regulation	0	%
Content of compounds with a GWP	-	0	%
Content of compounds with an ODP	-	0	%

**Precautions for use: in case of splitting and repackaging of this product, do not use metal packaging.**

In the field of screen printing, the wide variety of inks used means that a number of different cleaning solvents are required.

This is more of a problem for custom screen printing companies that print on a wide variety of media.

Traditional cleaning solvents are mixtures of benzene hydrocarbons (CMR: Carcinogenic, Mutagenic or Reprotoxic) with additives containing glycol ethers and cyclohexanone, aromatic solvents such as toluene or xylene, ketones such as acetone, methyl ethyl ketone or methyl isobutyl ketone, or ethyl acetate, or methylene chloride.

All of these solvents, whether pure or mixed, are extremely dangerous in terms of toxicity, the environment and their fire risk.

While ink manufacturers are developing increasingly high-performance water-based products, operators usually continue using dangerous cleaning solvents, given the low versatility of use of water-based solvents on the resins of different chemical families (matrices).

The SERIMAX products offered by IBiotec solve all of these problems.

In line with CLP 1272/2008 (amended version 1079/2016), no 'danger' pictogram as regards toxicity to operators.

Suitable for all ink families, including amalgams and dry inks.

<b>MEDIA</b>	<b>INKS</b>
<b>PAPER, CARDBOARD</b> (posters, wallpapers, particle boards, etc.)	Nitrocelluloses Vinyls Acrylics Pliolites (styrene acrylics)
<b>METALS AND ALLOYS</b>	Epoxies Polyesters
<b>LACQUERED METALS</b> (packaging, signs, etc.)	Nitrocelluloses
<b>PLASTIC MATERIALS</b> (with or without flame treatment, Corona effect) Cellulose acetate butyrate, polystyrene Acrylonitrile, butadiene, styrene copolymers Polymethyl methacrylates Polyvinyl chlorides, polycarbonates Polyesters, saturated polyesters, PET, PE	Cellulosic Vinyls Acrylics
<b>NATURAL TEXTILES, SYNTHETICS, LEATHER</b>	Plastisols Polyurethanes
<b>GLASS, ENAMEL, PORCELAIN</b>	Epoxies
<b>ALL MEDIA</b> PCB imageable soldermask, screen printing	UV (photocrosslinkable) EB (electronic bombardment) UV acrylates

200 L Keg

20 L drum



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