



Datasheet - Last update: 2023/09/18

## COMPACT POLYURETHANES METHYLENE CHLORIDE SUBSTITUTION SOLVENT

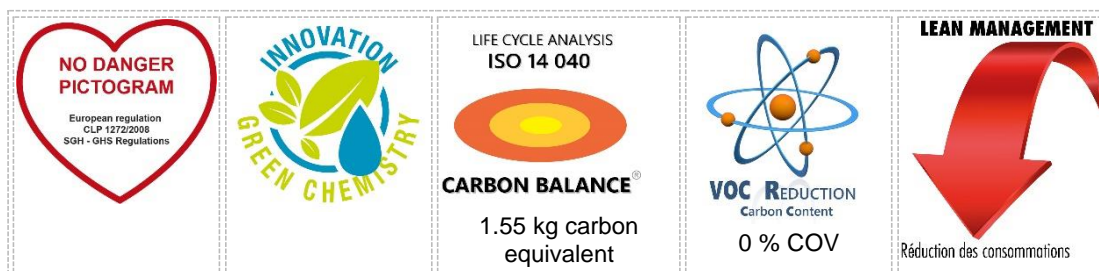
**RISK 0**

**100 % SAFE**

**for rinsing flow heads  
and mixing chambers  
in low-pressure injection**

**CONSUMPTION DIVIDED BY 10**

## iBiotec® FAST CLEAN PU 110



- High saturation rate, remains effective even when heavily loaded with elastomer, reusable several times.

- Recommended for all compact PU resins, including TDI, MTI, PPDI and new NDI fast-setting generations, on rim injected resins regardless of mixture distribution pressures, process times and TECAM GEL times.
- Usable on PU skin foam

Vegetable-based agrochemical fluid

No danger pictograms (CLP GHS)

No release of hot steam

Non-flammable

Reduces the emissions of organic vapours to 0%.

(Solvent Management Plan – EU Directives IED - IPPC)

OECD biodegradable

Storage without retention (Labour Code– ICPE)

OIW (Ordinary Industrial Waste) class

Exceptional operating cost

Low volatility, reduces solvent consumption by up to 10 times compared to dichloromethane.

## MODE OF USE ON COMPACT POLYURETHANE DISPENSING MACHINE

### Washing cycle after polyurethane flow:

- Air blowing air for 10 seconds
- **FAST CLEAN PU 110** injection for 3/5 seconds
- Air blowing air for 30 seconds

(These times are given as an indication and may vary depending on the nature of the polyurethanes).

The so-called "waste flow" is usually done for 2 reasons:

- First reason; to mix the Polyol, Isocyanate, and possibly dyes, homogeneously

- Second reason; to avoid air bubbles

For **FAST CLEAN PU 110**, there is a third reason; to remove residues of this product from inside the chamber.

During the washing cycle, the mixing chamber can be positioned above a drum equipped with a funnel to collect the **FAST CLEAN PU 110** effluent, and this can be filtered (6/10th millimetre metal filter); the mixture can also be decanted for 24 hours.

**FAST CLEAN PU 110** can thus be reused up to 4 times in a row (depending on the polyurethanes).

**FAST CLEAN PU 110** can also soak clean compact polyurethane residues or polymerised foam, even with a short Pot Life.

Creation of double glazing joints:

Spatulas are cleaned by simple dipping and paint guns by circulating.

### Precautions for use:

Store in a temperate (frost resistant) environment before use.

**FAST CLEAN PU 110** is compatible with PTFE seals (tests at 20°C, 80°C and 100°C) and silicone seals.

Avoid use on Neoprene, Buna, Nitrile, Butyl or Viton seals.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Clear	-
Colour	Visual	Amber	-
Odour	Olfactory	Without	-
Density at 25°C	NF EN ISO 12185	968	kg/m <sup>3</sup>
Refractive index	ISO 5661	nm	-
Freezing point	ISO 3016	-8	°C
Solubility in water	-	partial	%
Kinematic viscosity at 40°C	NF EN 3104	3.0	mm <sup>2</sup> /s
Acid value	EN 14104	<1	mg(KOH)/g
Iodine value	NF EN 14111	0	gl <sub>2</sub> /100g
Water content	NF ISO 6296	<0.1	%
Residue after evaporation	NF T 30-084	0	%

## PERFORMANCE CHARACTERISTICS

PROPERTIES	STANDARDS	VALUES	UNITS
KB index	ASTM D 1133	>200	-
Evaporation rate	-	>6	hours
Surface tension at 20°C	ISO 6295	32.0	Dynes/cm

Copper blade corrosion 100h at 40°C	ISO 2160	1a	Rating
Aniline point	ISO 2977	nm	°C
<b>FIRE SAFETY PROPERTIES</b>			
<b>PROPERTIES</b>	<b>STANDARDS</b>	<b>VALUES</b>	<b>UNITS</b>
Flash point (vacuum)	NF EN 22719	100	°C
Self-ignition point	ASTM E 659	>270	°C
Lower explosive limit	NF EN 1839	2,6	% (by volume)
Upper explosive limit	NF EN 1839	28,5	% (by volume)
Content of explosive, oxidizing, flammable, highly or extremely flammable substances	CLP Regulation	0	%
<b>TOXICOLOGICAL PROPERTIES</b>			
<b>PROPERTIES</b>	<b>STANDARDS</b>	<b>VALUES</b>	<b>UNITS</b>
Anisidine value	NF ISO 6885	<6	-
Peroxide value	NF ISO 3960	<10	meq(O <sub>2</sub> )/kg
TOTOX (anisidine value + 2x peroxide value)	-	<26	-
CMR, irritating and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%
Emissions of hazardous, CMR, irritant, corrosive compounds at 100°C.	GC-MS	Without	%
<b>ENVIRONMENTAL PROPERTIES</b>			
<b>PROPERTIES</b>	<b>STANDARDS</b>	<b>VALUES</b>	<b>UNITS</b>
Water endangering	WGK Germany	1 Not water endangering	class
Primary biodegradability CEC 21 days at 25°C	L 33 T82	>80	%
Readily biodegradable OECD 301 A over 28 days Disappearance of the COD	ISO 7827	>80	%
Easy and ultimate biodegradability OECD 301 D over 28 days Biodegradation at 67 days	Modified MITI	>90	%

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

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