Datasheeet - *Last update: 2025-02-04*

iBiotec®
FAST CLEAN STRIPPER

NO DANGER PICTOGRAM
European regulation CLP 1272/2008 SGH - GHS Regulations

MOULD CLEANING AND STRIPPING SOLVENT FOR CROSSLINKED OR FRESHLY CURED RESINS POLYESTER, POLYURETHANE, EPOXY and Bis-GMA MATRICES

ALTERNATIVE SOLVENT TO NMP AND NEP
Guaranteed free from chlorinated solvents
NO HAZARD OR WARNING PICTOGRAM
(CLP 1272 GHS Regulation)

FIELDS OF USE

Elimination of pre-cured polyepoxides in the manufacture of construction materials, paints, coatings, floor resins, paving, aggregates, laminates, castings, gel coats, car components, structural elements for the aeronautic and spacial sectors, transformers, turbines, switches and other electrical equipment, wind turbine components; solder mask, SMDs, touch-resistant coatings for home appliances, sports and leisure equipment, tennis racquets, skis, sailboards, golf clubs, gliders, musical instruments, fishing rods.

Elimination of UP (or UPR) resins, Aliphatic homopolymers, semi-aromatic and homo co-polyesters and aromatic co-polyesters, pre-cured, in the manufacture of laminated components, top coating, under coating, car or boat equipment, stripping of moulds, encapsulation resins, components for sheet moulding compound (SML) machines, bulk moulding compound (BMC) injection machines, mineral moulding compound (MMC) injection machines, CIC (Continuous Impregnated Compounds). Cleaning of equipment for contact moulding, vacuum moulding, infusion moulding, autoclave moulding, simultaneous projection, filament winding, presses.

Elimination of polyurethane elastomers (Carbamates) including MDI, TDI and new generation NDI, PU (compact or foam). Stripping of moulds for low-pressure casting, including resins for RIM processes, high-pressure equipment for simultaneous projection, cured foams for sealing, wedging, insulation, or aerosol expanding foams.

PHYSICO-CHEMICAL PROPERTIES TYPICALS

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Clear	-
Colour	Visual	Amber	-
Smell	Olfactory	Light, characteristic	-
Density at 25°C	NF EN ISO 12185	1090	kg/m^3
Refraction index	ISO 5661	1.4660	-
Freezing point	ISO 3016	+7	°C
Water solubility	-	>40	%
Kinematic viscosity at 40°C	NF EN 3104	1.5	mm^2/s
Acid index	EN 14104	<1	mg(KOH)/g
Iodine index	NF EN 14111	0	$gI_2/100g$
Water content	NF ISO 6296	<1	%
Residue after evaporation	NF T 30-084	<0.1	%

PERFORMANCE PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
KB index	ASTM D 1133	>180	-
Evaporation speed	-	>3	hours
Volatility index nBuAC=1	NF T 30.30	1.4	Quotient
Evaporation index DEE=1	DIN 53.170	nm	Quotient
Surface tension at 20°C	ISO 6295	27.7	dyne/cm
Copper blade corrosion 100 h at 40°C	ISO 2160	1b	Measured value
Aniline point	ISO 2977	nm	°C

FIRE SAFETY PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Flashpoint (closed tank)	NF EN 22719	80	°C
Self-combustion point	ASTM E 659	>200	°C
Lower Explosive Limit	NF EN 1839	1.1	% (volume)
Upper Explosive Limit	NF EN 1839	28.5	% (volume)
Explosive, oxidising agent, flammable, highly or extremely flammable substance content	CLP Regulation	0	%

TOXICOLOGICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Anisidine index	NF ISO 6885	<2	-
Peroxide index	NF ISO 3960	<5	$meq(O_2)/kg$
TOTOX (anisidine index+2x peroxide index)	-	12	-
CMR, irritant and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%

ENVIRONMENTAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Water hazard	WGK Germany	1 without hazard for water	class
Primary CEC biodegradability 21 days at 25°C	L 33 T82	>80	%
OECD easy biodegradability 301 A over 28 days Disappearance of COD	ISO 7827	>80	%

OECD easy and ultimate biodegradability 301 D over 28 days Biodegradation at 67 days	MITI amended	>70	%
Bioaccumulation n-octanol water sharing index	OECD 107	-1.35	KOW log
Steam pressure at 20°C	-	<0.1	hPa
VOC content (Volatile Organic Compounds)	-	renewable carbon content > 90%	%
Total halogen content (Chlorine Fluorine Bromine)	Bomb calorimeter GC MS	0	%
Benzene content	LPCH	0	%
Aromatic solvent content	LPCH	0	%
Environmentally-hazardous substance content	-	0	%
Content of compounds with GWP	-	0	%
Content of compounds with ODP	-	0	%
Carbon assessment, life cycles analysis.	ISO 14040	6.40	Kg carbon equivalent

PRECAUTIONS FOR USE

Do not use the **FAST CLEAN STRIPPER** when rinsing isocyanate circuits.
Before contacting the product, make sure that the seals and sensitive materials are compatible.
If this product disintegrates and requires reconditioning, do not use metal packaging.

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