

iBiotec®

ALTERNATIVE SOLVENTS - CMR SUBSTITUTION
Eco-SOLVENTS

Datasheet - Last update: 10/29/2025

IMMEDIATELY REPLACES ACETONE

NEUTRALÈNE® **RG 30 GT**

35°C Flash point in a vacuum
Evaporation rate 9'00 at 20°C
Decrease in consumption by 5



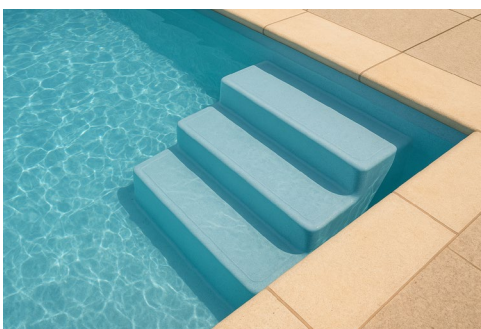
Nonfood Compounds
Program Listed K1
172864



AREAS OF USE

Cleaning rollers, de-icers and application tools for the implementation of polyester resins and epoxies.

Removal of GRP (glass-reinforced polyester) in shipbuilding, swimming pools, tanks, reservoirs, bodywork components, piping, connections...



NEUTRALENE RG 30 GT has an optimized evaporation rate allowing effective action even on highly reactive resins having a short TECAM gel time of a few minutes.

UPR RESINS

Aliphatic Homopolymers PGA PLA PGL PCL PHA PHB

Aliphatic co-polyesters PEA PBS

Semi-aromatic co-polyesters FBT PTT PEN

Homo and aromatic co-polyesters Polyacrylates

Hybrid polyester polyesters – epoxies

Resins for encapsulation, impregnation, lamination, and infusion

Gel coats, including hybrids, and top coats

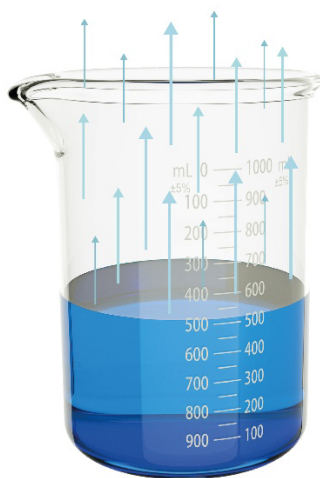
ECONOMIC ASPECTS

Reduction of consumption

NEUTRALENE® RG 30 GT has a vapour pressure of 1.2 kPa at 68°F.

Acetone has a vapour pressure of 24.7 kPa at 68°F, over 20 times greater than that of NEUTRALENE RG 30 GT.

Consequently, it is easy to deduce from this that there would be a considerable reduction of solvent consumption – by about 5 times – avoiding any unnecessary loss by evaporation.



VAPOUR PRESSURE OF A SOLVENT AT 68°F

DO YOU KNOW THE VAPOUR PRESSURE OF THE SOLVENTS YOU USE ?

The higher the vapour pressure of a solvent,
THE MORE WORKERS ARE EXPOSED TO THESE VAPOURS.

The higher the vapour pressure of a solvent,
THE MORE QUICKLY THE EXPOSURE LIMIT VALUE (ELV) IS REACHED.

The higher the vapour pressure of a solvent,
THE MORE FREQUENTLY THE LOWER EXPLOSIVE LIMIT IS REACHED.

The higher the vapour pressure of a solvent,
THE HIGHER THE QUANTITIES LOST THROUGH EVAPORATION.
(purchased quantity - quantities on waste slips = unnecessary economic loss)

The higher the vapour pressure of a solvent,
THE HIGHER THE EMISSION OF VOLATILE ORGANIC COMPOUNDS (VOC) INTO THE ATMOSPHERE.

Are you looking for a substitute ? Consult www.solvants.fr

Recyclable, reusable

NEUTRALENE® RG 30 GT is an azeotrope, its distillation point is 150°C.

It is easy to recover, distil and reuse, with no loss of its physico-chemical qualities.

The distillation point can be lowered by approximately 30% if a vacuum distiller is used. Distillation is then total and extremely rapid, at 110°C.

PHYSICO-CHEMICAL CHARACTERISTICS

CHARACTERISTICS	STANDARDS	VALUES	UNITS
Aspect	Visual	Limpid	-
Colour	Visual	Colourless	-
Odour	Olfactory	Characteristics	-
Density at 77°F	NF EN ISO 12185	0.932	kg/m³
Refractive index	ISO 5661	1.4030	-
Freezing point	ISO 3016	-50	°C
Boiling - Distillation	ISO 3405	120-150	°C
Vapour pressure 68°F	ASTM D 5188 EN 13016.1.2.3	1,2	kPa
Solubility in water	-	Soluble	-
Kinematic viscosity at 104°F	NF EN 3104	0.86	mm²/s
Acid number	EN 14104	<1	mg(KOH)/g
Iodine index	NF EN 14111	0	gI₂/100g
Water content	NF ISO 6296	<0.1	%
Residue after evaporation	NF T 30-084	0	%

PERFORMANCE CHARACTERISTICS

CHARACTERISTICS	STANDARDS	VALUES	UNITS
KB Index	ASTM D 1133	>150	-
Evaporation rate	-	9.00	minutes
Surface tension at 68°F	ISO 6295	27.5	Dyne/ cm
Copper blade corrosion 100hrs at 104°F	ISO 2160	1a	Rating

FIRE SAFETY CHARACTERISTICS

CHARACTERISTICS	STANDARDS	VALUES	UNITS
Flash point (vacuum)	NF EN 22719	35	°C
Self-ignition point	ASTM E 659	>230	°C
Lower explosive limit	NF EN 1839	1,2	% (volume)
Upper explosive limit	NF EN 1839	13,7	% (volume)

TOXICOLOGICAL CHARACTERISTICS

CHARACTERISTICS	STANDARDS	VALUES	UNITS
Content of CMR substances, irritating, corrosive	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%

ENVIRONMENTAL CHARACTERISTICS

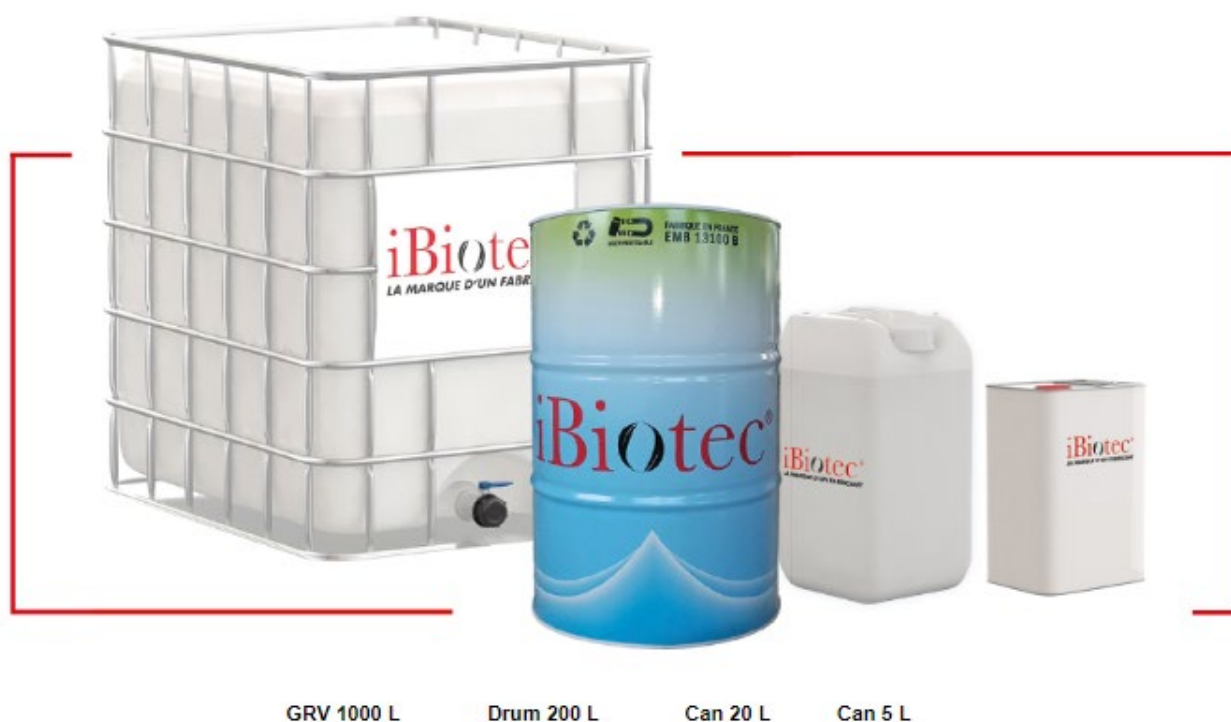
CHARACTERISTICS	STANDARDS	VALUES	UNITS
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Water hazard	WGK in German	1 not hazardous to water	class
Primary biodegradability CEC 21 days at 77°C	L 33 T82	>70	%
Ready biodegradability OECD 301 A in 28 days Disappearance of COD	ISO 7827	>70	%
Ready and ultimate biodegradability OECD 301 D in 28 days Biodegradation at 67 days	MITI modified	72	

Precautions for use: Product classified as inflammable, below 60°C flashpoint. Product contains no raw material classified as CMR, toxic, noxious, irritating or sensitising. Refer to the safety data sheet. Thoroughly read the label on the package. In case of fragmentation, transfer this to the new packaging. Use pure, do not mix with water.

NEUTRALENE® RG 30 GT is a powerful solvent and dissolvent of resins; we advise doing a preliminary test when preparing surfaces on plastic or elastomer materials.

PRESENTATIONS



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