

iBiotec®

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY
PROCESSES - MRO - MAINTENANCE
ALTERNATIVE SOLVENTS 100% SAFE**

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iBiotec®

NEUTRALÈNE® BIO 1000

SAFETY SOLVENT DEGREASER

NON-FLAMMABLE, VOC-FREE, EASILY BIODEGRADABLE

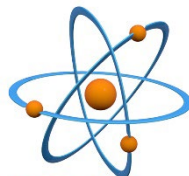
CERTIFIED NSF K1 FOR FOODSTUFFS INDUSTRIES (IAA)

ESTER-REINFORCED DEGREASING POWER

PLANT-BASED

USABLE COLD AND HOT

"SPECIAL FORMULA FOR DEGREASING PARTS WASHERS"



VOC REDUCTION
Carbon Content

Solvent without COV



Nonfood Compounds
Program Listed K1
144658

**TECHNICAL FLUID MADE OF PLANT-BASED ESTERS
HIGH-PERFORMANCE SOLVENT DEGREASER
SPECIAL FORMULA FOR PARTS WASHERS, STRUCTURES, NETWORKS, TANKS, PANS, INDUSTRIAL
MAINTENANCE**

Usable cold or in baths up to 70°C.
Declassification of ATEX zones.

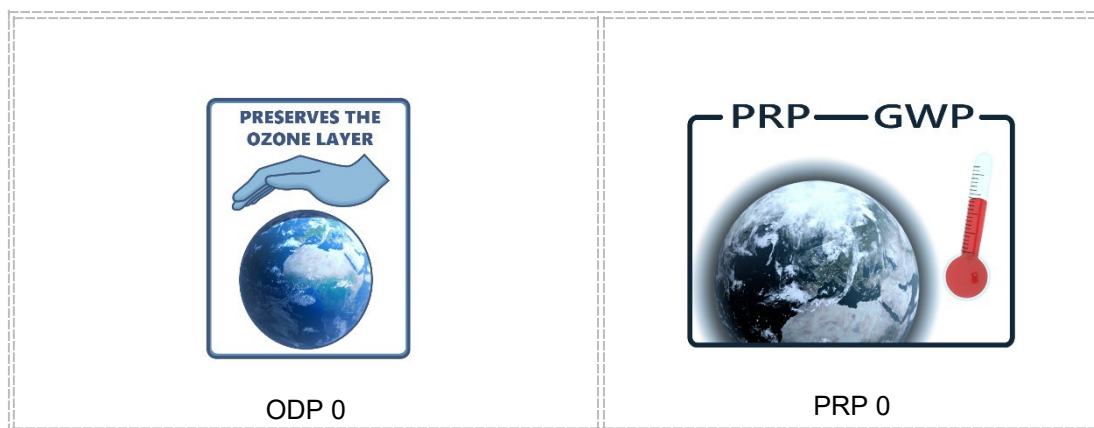
Very high solvent power KB index greater than 50.

Dielectric, breakdown voltage IEC 156 50,000 volts

Immediately dissolves tar, crude oil, heavy hydrocarbons,
combustion residue, greases, lubricants.

Formulated with additives to accelerate settling
in solvent parts washers

**SMP optimisation
Solvent Management Plan
(IED Directive)
Solvent input/output material balance
Low volatility, reduction of consumption.
ELIMINATION OF SOLVENT EMISSIONS**



Freezing point -20°C. Outdoor storage is authorised.

**Reduction of industrial risk, operating loss, third-party liability
(insurance code)**

DESCRIPTION

Solvent degreaser, non-flammable safety cleaning agent, biodegradable, VOC-free, with very high solvent power, specially formulated for use in solvent parts washers, technical fluid using agrobased plant esters also usable for all manual degreasing operations with or without mechanical action or by immersion in cold or hot baths up to 70°C.

USER PRECAUTIONS

NEUTRALENE® BIO 1000 does not pose any particular hazard except in the very rare cases of accidental ingestion. Refer to the material safety data sheet for the recommendations on storage, use, and disposal.

PHYSICO-CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Fluid	-
Colour*	Visual	Colourless	-
Smell	Olfactory	Very weak	-
Density at 25°C	NF EN ISO 12185	810	kg/m ³
Refraction index	ISO 5661	1.4470	-
Freezing point	ISO 3016	<-20	°C
Water solubility	-	Insoluble	%
Kinematic viscosity at 40°C	NF EN 3104	2.5	mm ² /s
Acid index	EN 14104	<0.1	mg(KOH)/g
Iodine index	NF EN 14111	0	gl ₂ /100g
Water content	NF ISO 6296	<0.001	%
Residue after evaporation	NF T 30-084	0.0	%
Steam pressure at 20°C	NF EN 13016-1	<0.1	hPa

PERFORMANCE PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
KB index	ASTM D 1133	>70	-
Evaporation speed	-	>4	h
Surface tension at 20°C	ISO 6295	28	dyne/cm
Breakdown voltage	IEC.156	50,000	Volts
Copper blade corrosion 100 h at 40°C	ISO 2160	1a	Measured value

FIRE SAFETY PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Flashpoint (closed tank)	ISO 2719	>100	°C
Self-combustion point	ASTM E 659	>230	°C
Lower Explosive Limit	NF EN 1839	0.6	% (volume)
Upper Explosive Limit	NF EN 1839	6.5	% (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	<1	-
Peroxide index	NF ISO 3960	<1	meq(O ₂)/kg
TOTOX (anisidine index+2x peroxide index)	-	<3	-
CMR, irritant and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0.0	%
Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C	GC-MS	0	%

ENVIRONMENTAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Biodegradability	OECD 301 A/C	>80, >90	%
Steam pressure at 20°C	-	<0.1	hPa
VOC content (Volatile Organic Compounds)	-	0	%
Sulphur content	GC MS	0	%
Benzene content	ASTM D6229	0	%
Total halogen content	GC MS	0	%
Chlorinated solvent content	-	0	%
Aromatic solvent content	-	<0.01	%
Environmentally-hazardous substance content	CLP Regulation	0	%
Content of compounds with GWP	-	0	%
Content of compounds with ODP	-	0	%
Carbon assessment, life cycles analysis.	ISO 14040	1.55	Kg carbon equivalent

* nm: not measured or not measurable

ADDITIONAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Aniline point	ASTM D 611	80	°C
Bioaccumulation n-octanol-water ratio	OECD 107	<3	logKow
Hazard classification for water	WGK	1	Class

PRESENTATIONS

IBC GRV 1000 L



Drum 200 L



Can 20 L



**Product for the food industry (IAA)
Using an HACCP approach or method
Analysis of dangers and critical points to control them
ISO 22 000 CODEX ALIMENTARIUS**

Category NSF:

K1 solvent: usable outside food manufacturing areas (the vapours must not enter the manufacturing area) to degrease equipment (e.g. conveyor bearings, maintenance of other mechanical components, etc.) used in manufacturing areas.

INSTRUCTIONS FOR USE



Degreasing with rag



Degreasing with brush



Low-pressure sprayers with water rinse



Solvent parts washers



Ultrasound tanks



Hot or cold immersion tanks



Rotating or forward-travelling basket



A3 washing machines

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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS
Consulter la fiche de données de sécurité.

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