

iBiotec®

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

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iBiotec® NEUTRALÈNE® 2012

**SOLVENT DEGREASER WITH ULTRA-FAST EVAPORATION
12 MINUTES AT 20°C (ZERO AIR FLOW)**

**DEVELOPED AS A SUBSTITUTE FOR TRI 111 ETHANE IN ITS COLD APPLICATIONS
INDUSTRIAL MAINTENANCE AND PRECISION MECHANICS DEGREASING
CLEANING BETWEEN OPERATIONS WITH SHORT PROCESS TIMES
SURFACE PREPARATION BEFORE TREATMENT, DECORATION, BONDING
FLASHPOINT NOT MEASURABLE**

**GUARANTEED FREE FROM GREENHOUSE
FLUORINATED COMPOUNDS WITH A GWP above 150
EU Regulation 517/2014 F. Gas Directive
Prohibited from 1st January 2018**



DESCRIPTION

NEUTRALÈNE® 2012 is a degreaser specifically used to eliminate oils and greases.

NEUTRALÈNE® 2012 has been formulated in a technology flash point not measurable, and offers more security in the industry. His evaporation rate is particularly suitable for the product has a cleansing action optimal, while evaporating as quickly as possible.

NEUTRALÈNE® 2012 leaves no residues. This is an excellent agent for preparing surfaces before treatment (paints, collage).

NEUTRALÈNE® 2012 is compatible with all metals, some plastics and elastomers. It contains no stabilizer, which prevents any further oxidation problem.

NEUTRALÈNE® 2012 is used pure, cold, with any manual or industrial process.

APPLICATIONS

Cleaner / Degreaser

Excellent solvent for greases, oils, temporal protection product, waxes :
Degreasing of metal parts (aluminum, steel, stainless steel, brass, cast...)
Cleaning of injection molds
Slides degreasing of machine tools.
Degreasing after machining processing

Surface's preparation

Removes organic or inorganic pollutions before assembling or before surface treatment (collage, paints...)

Industrial maintenance

For cleaning and degreasing packaging equipment or handling.
Cleaning of workplaces
Degreasing of machines

PRECAUTION OF USE

Before utilization, look at the MSDS. Remove all ignition sources, more particularly, do not use onto an incandescent object or hot source. Do not use vapor. Avoid splashing onto fabrics to avoid the effects of wick. Do not smoke. Do not allow the drain after use. Use in ventilated area.

RECOMMANDATIONS

Regarding to the diversity of substrates, and more particularly thermoplastics or thermosets used in industries, we recommend operators to perform any tests of compatibility with sensitive materials washing and degreasing.
These compatibilities often depend procedures and therefore the contact time between solvent and plastic materials.

TYPICAL PHYSICAL-CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Fluid	-
Colour	Visual	Colourless	-
Scent	Olfactory	Low	-
Density at 25°C	NF EN ISO 12185	765	kg/m ³
Refraction index	ISO 5661	1.4120	-
Freezing point	ISO 3016	-60	°C
Water solubility	-	0	%
Kinematic viscosity at 40°C	NF EN 3104	0.76	mm ² /s
Acid index	EN 14104	< 0.1	mg(KOH)/g
Iodine index	NF EN 14111	nm	gI ₂ /100g
Water content	NF ISO 6296	< 0.004	%
Residue after evaporation	NF T 30-084	0	%
Steam pressure at 20°C	NF EN 13016-1	> 0.01	hPa

PERFORMANCE PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
KB index	ASTM D 1133	64	-
Evaporation speed	-	12	min.
Surface tension at 20°C	ISO 6295	24.8	dyne/cm
Breakdown voltage	NF EN 60156/IEC 156	nm	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	not measurable	°C
Self-combustion point	ASTM E 659	> 250	°C
Lower Explosive Limit	NF EN 1839	0.6	% (volume)
Upper Explosive Limit	NF EN 1839	7.0	% (volume)
Explosive, oxidising agent, flammable, highly or extremely flammable substance content	CLP Regulation	-	%

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)	-	2.8	-
CMR, irritant and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%
Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C	GC-MS	0	%

ENVIRONMENTAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Biodegradability	OECD 301	nm	-
Steam pressure at 20°C	-	> 0.01	hPa
VOC content (Volatile Organic Compounds)	-	100	%
Sulphur content	GC MS	0	%
Benzene content	ASTM D6229	0	%
Total halogen content	GC MS	< 1	%
Chlorinated solvent content	-	0	
Aromatic solvent content	-	0	
Environmentally-hazardous substance content	CLP Regulation	0	%
Content of compounds with GWP	-	< 1	%
Content of compounds with ODP	-	0	%
Carbon assessment, life cycles analysis.	ISO 14040	nm	Kg carbon equivalent

PRESENTATIONS

Drum 200 L



Keg 25 L



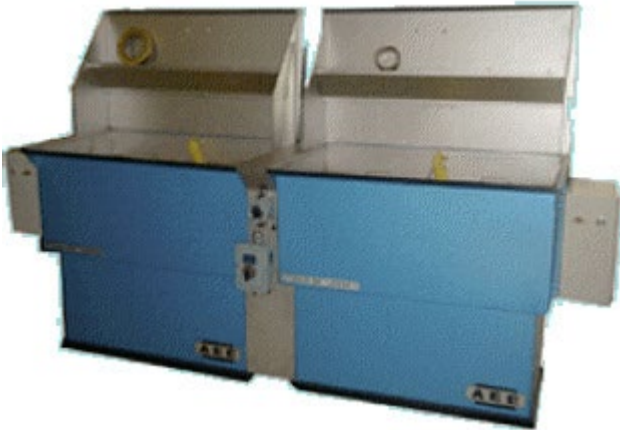
INSTRUCTIONS FOR USE



Degreasing with rag



Degreasing with brush



Hot or cold immersion tanks

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

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