

iBiotec®

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

Datasheet - Last update: 2025/01/20

iBiotec®

NEUTRALÈNE® 2005

SOLVENT DEGREASER WITH ULTRA-FAST EVAPORATION

6 MINUTES AT 20°C (ZERO AIR FLOW)

DEVELOPED AS A SUBSTITUTE FOR CFC 113 AND HCFC 141 B

FOR DEGREASING, DECONTAMINATION AND WASHING OPERATIONS

ON MATERIALS THAT ARE SENSITIVE TO ORGANIC SOLVENTS

**PRECISION DEGREASING OF EMBEDDED ELECTRONICS IN THE AERONAUTICS AND
SPACE SECTOR, OPTICS, ELECTRONIC COMPONENTS, PACKAGING FOR COSMETICS**

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® 2005 is a degreaser specifically used to eliminate oils and greases.

NEUTRALÈNE® 2005 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® 2005 leaves no residues. This is an excellent agent for preparing surfaces before treatment (paints, collage).

NEUTRALÈNE® 2005 is compatible with all metals, some plastics and elastomers. It contains no stabilizer, which prevents any further oxidation problem.

APPLICATIONS

Degreasing, Cleaning, Washing

Degreasing of precision mechanical components.

Measurement and laboratory instruments, before calibration.

Production output parts polished mirrors.

Preparation of components and materials, before packaging.

Preparation of surfaces

Eliminates organic or inorganic pollution before assembly or before surface treatment, before chemical fixation, before painting.

Washing of cosmetic packaging before decoration.

Cleaning of electronic tracks and surface mounted components.

CMS.

Washing of optics.

Industrial maintenance

Degreasing and cleaning of production lines, packaging lines, with very short intervention times.

Clean in an ultra clean environment, clean rooms.

Use on parts with complex geometries, showing retention zones and contact area. Materials, assembled components.

USAGE PRECAUTIONS

Before each use, it is imperative to consult the Safety Data Sheet.

Keep all ignition sources away during use of the product ; in particular, don't

use on an incandescent body or on a major heat source. Don't use in vapour phase. Avoid any projection on fabrics, in order to avoid wicking effects. Don't smoke. Don't consign to sewage after use. Use in an aerated or 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.

PHYSICO-CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Fluid	-
Colour	Visual	Colourless	-
Scent	Olfactory	No smell	-
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	0.70	mm ² /s
Acid index	EN 14104	nm	mg(KOH)/g
Iodine index	NF EN 14111	nm	gl ₂ /100g
Water content	NF ISO 6296	0.002	%
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	34	-
Evaporation speed	-	6	min.
Surface tension at 20°C	ISO 6295	23.8	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	nm	-
Peroxide index	NF ISO 3960	nm	meq(O ₂)/kg
TOTOX (anisidine index+2x peroxide index)	-	nm	-
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.

Les renseignements figurant sur ce document sont basés sur l'état actuel de nos connaissances relatives au produit concerné. Ils sont donnés de bonne foi. Les caractéristiques y figurant ne peuvent être en aucun cas considérées comme spécifications de vente. L'attention des utilisateurs est en outre attirée sur les risques éventuellement encourus lorsqu'un produit est utilisé à d'autres usages que ceux pour lesquels il est conçu. Parallèlement, le client s'engage à accepter nos conditions générales de marché de fournitures dans leur totalité, et plus particulièrement la garantie et clause limitative et exonératoire de Responsabilité. Ce document correspond à des secrets commerciaux et industriels qui sont la propriété de Tec Industries Service et, constituant un élément valorisé de son actif, ne saurait être communiqué à des tiers en vertu de la loi du 11 juillet 1979.