

iBiotec®

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

Datasheet - Last update: 2025-02-20

iBiotec®

NEUTRALÈNE® AL 30 - AL 50 - AL 66+

**TOTALLY DEODORIZED
SOLVENTS DEGREASERS**

**OPTIMISED FLASHPOINT/EVAPORATION SPEED RATIO
CERTIFIED NSF K1 FOR FOODSTUFFS INDUSTRIES (IAA)
ENCLOSED SPACES, FITTING AND ASSEMBLY WORKSHOPS
SOLVENT DEGREASER FOR SOLVENT PARTS WASHERS, PNEUMATIC TOOLS**

iBiotec NEUTRALÈNE® AL 30

**EVAPORATION RATE 15 minutes at 20°C (zero air flow)
FLASHPOINT IN CLOSED CUP 30°C**



Nonfood Compounds
Program Listed (Category K1)
(Registration 146623)

iBiotec NEUTRALÈNE® AL 50

**EVAPORATION RATE 30 minutes at 20°C (zero air flow)
FLASHPOINT IN CLOSED CUP 48°C**



Nonfood Compounds
Program Listed (Category K1)
(Registration 155966)

iBiotec NEUTRALÈNE® AL 66+
EVAPORATION RATE 45 minutes at 20°C (zero air flow)
FLASHPOINT IN CLOSED CUP 63°C



Nonfood Compounds
Program Listed (Category K1)
(Registration 156073)

DESCRIPTION

Fully deodorized fluid especially suitable for any classic degreasing and decontamination operation in the field of metallurgy or plastics.

Excellent solvent of mineral or synthetic greases and oils. Also eliminates any organic or inorganic pollution (dust, metal cuttings, filings, etc.).

Contains no stabilizer. Does not corrode metals. Compatible with all metals and most plastics and elastomers.

Has a suitable evaporate rate for fast and effective cleaning: NEUTRALÈNE® AL 30, with its very low surface tension, can treat components with complex geometries or blind holes before evaporating completely.

That is how it completely eliminates dirt and leaves surfaces perfectly clean and residue-free.

APPLICATIONS

Usable cold: wiping with a cloth, soaking, using a brush, or vacuum cleaning.

Suitable for degreasing of mechanisms:

Degreasing of machined parts.

Degreasing of machine tool frames, chassis.

Cleaning of bearings, pinions, filters.

Industrial maintenance

Cleaning of injection moulds.

Cleaning after storage.

Surface preparation before assembly.

Fitting workshops, assembly workshops.

PHYSICO-CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Appearance	Visual	Liquid	Liquid	Liquid	-
Colour	Visual	Colourless	Colourless	Colourless	-
Scent	Olfactory	Without	Without	Without	-
Density at 25°C	NF EN ISO 12185	0,745	0,759	0,772	kg/m ³
Refraction index	ISO 5661	1,4130	1,4150	1,4250	-
Freezing point	ISO 3016	-20	-25	-30	F
Water solubility	-	0	0	0	%
Kinematic viscosity at 40°C	NF EN 3104	0,86	1,00	1,2	mm ² /s
Acid index	EN 14104	<0,1	<0,1	<0,1	mg(KOH)/g
Iodine index	NF EN 14111	<0,1	0,1	0,1	gl ₂ /100g
Water content	NF ISO 6296	0,01	0,01	0,01	%
Residue after evaporation	NF T 30-084	0	0	0	%

Steam pressure at 20°C	NF EN 13016-1	>0,1	>0,1	>0.1	hPa
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PERFORMANCE PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Kauri Butanol index	ASTM D 1133	45	46	45	-
Evaporation speed	-	15	30	45	min.
Surface tension at 20°C	ISO 6295	24,7	24,4	25,3	dyne/cm
Breakdown voltage	NF EN 60156/IEC 156	60,000	63, 000	63 000	Volts
Copper blade corrosion 100 h at 40°C	ISO 2160	1a	1a	1a	Measured value

FIRE SAFETY PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Flashpoint (closed cup)	ISO 2719	30	50	66	°C
Self-combustion point	ASTM E 659	> 230	>230	>230	°C
Lower Explosive Limit	NF EN 1839	0.6	0,6	0,9	% (volume)
Upper Explosive Limit	NF EN 1839	7.0	7.0	7,8	% (volume)

TOXICOLOGICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Anisidine index	NF ISO 6885	<1	<1	<1	-
Peroxide index	NF ISO 3960	<1	<1	<1	meq(O ₂)/kg
TOTOX (anisidine index+2x peroxide index)	-	<1		<1	-
CMR, irritant and corrosive substance content	CLP Regulation	0	0	0	%
Residual methanol content from transesterification	GC-MS	0	0	0	%
Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C	GC-MS	0	0	0	%

ENVIRONMENTAL PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Biodegradability	OECD 301	nm	nm	nm	-
Steam pressure at 20°C	-	>0,1	>0,1	>0,1	hPa
VOC content (Volatile Organic Compounds)	-	100	100	100	%
Sulphur content	GC MS	0	0	0	%
Benzene content	ASTM D6229	0	0	0	%
Total halogen content	GC MS				%
Chlorinated solvent content	-	0	0	0	%

Aromatic solvent content	-	0.0	0.0	0,00	%
Environmentally-hazardous substance content	CLP Regulation	0	0	0	%
Content of compounds with GWP	-	0	0	0	%
Content of compounds with ODP	-	0	0	0	%
Carbon assessment, life cycles analysis.	ISO 14040	nm	nm	nm	Kg carbon equivalence

ADDITIONAL PROPERTIES

PROPERTIES	STANDARDS	VALUES AL 30	VALUES AL 50	VALUES AL 66	UNITS
Heavy metals and metalloids content	GC.MS	0	0	0	ppm
Aniline point	NF M 07.021	64	66	66	°C
Bromine number	NF ISO 3839	5	4	4	mg/100g

PRESENTATIONS



**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.



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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

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