

iBiotec®

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

Datasheet - Last update: 2025-02-11

IMPACT



MULTIFUNCTION FOR **1000** APPLICATIONS
ODORLESS PENETRATING FLUID AEROSOL
100 % PLANT-BASED
DEOXIDISING,
LUBRICANT,
RELEASE AGENT,
RENEWING AGENT, SHINING AGENT



Nonfood Compounds
Program Listed (Category H1)
(Registration 162700)



GUARANTEED WITHOUT RESIDUAL PESTICIDES
GMO-FREE



RECOMMENDATION EU 84/2017
GUARANTEED WITHOUT HC,
WITHOUT MOSH/POSH,
WITHOUT MOAH

Highly lubricant, anti wear

Friction test (SRV): 0.12

Helps to reduce energy consumption, disassembly effort and operating noise levels.

Strong penetrating power

Low surface tension: 23,4 Dynes/cm

Strong deoxidising power

Tested according to MIL A 907 ED, loosening torque 12Nm

Instant tar remover

Asphalt removal test: 40 g at 20°C, 3'15"

Unbundling for food processing industries guaranteed without HC, without MOSH/POSH, without MOAH.

Analys report available on request

21/006838 LC GC-FID DIN/EN 16995

Residual pesticides and genetically modified organism free**PHYSICO-CHEMICAL CHARACTERISTICS TYPICALS**

PROPERTY	STANDARD	VALUE	UNITS
Appearance	Visual	Clear	-
Colour	Visual	Yellow	-
Odour	Olfactory	None	-
Density at 25°C	NF EN ISO 12185	0,930	kg/m ³
Refraction index	ISO 5661	1.4310	-
Freezing point	ISO 3016	- 22	°C
Water solubility	-	Partial, rinsable	%
Kinematic viscosity at 40°C	NF EN 3104	4.0	mm ² /s
Acid value	EN 14104	N/M	mg KOH/g
Iodine value	NF EN 14111	N/M	g I ₂ /100g
Water content	NF ISO 6296	50	ppm
Residue following rinsing with water	NF T 30-084	0	%

PERFORMANCE CHARACTERISTICS AS A DEGREASING SOLVENT

PROPERTY	STANDARD	VALUE	UNITS
KB index	ASTM D 1133	180	-
Evaporation rate	-	N/A	min
Surface tension at 20°C	ISO 6295	23.4	Dyne/cm
Breakdown voltage	IEC 156	48	Volts
Copper blade corrosion, 100 h at 40°C	ISO 2160	1a	Class

PERFORMANCE CHARACTERISTICS AS A LUBRICANT

PROPERTY	STANDARD	VALUE	UNITS
Friction test, SRV	ASTM D 5707	0.12	Coefficient
Shell four-ball tester - Wear scar diameter	IP 239 ASTM D 2596	0.62	mm
Shell four-ball tester - Wear loading	IP 239 ASTM D 2596	3200	daN

Friction test, fretting wear, 1.7 m/sec at 98 N	REICHERT	Under testing	-
Potential noise reduction	GRW method	- 60	dB
Press fit test		Under testing	
Stamping test - Erichsen	ISO 20482	Under testing	
RIG test for electrical contacts		Under testing	

FIRE SAFETY CHARACTERISTICS

PROPERTY	STANDARD	VALUE	UNITS
Flash point (closed cup)	ISO 2719	> 100	°C
Autoignition temperature	ASTM E 659	> 230	°C
Lower explosive limit	NF EN 1839	1	% (volume)
Upper explosive limit	NF EN 1839	6	% (volume)
Content of explosive, oxidising, flammable, or very/extremely flammable substances	CLP regulation	0	%

TOXICOLOGICAL CHARACTERISTICS

PROPERTY	STANDARD	VALUE	UNITS
Anisidine value	NF ISO 6885	< 6	-
Peroxide value	NF ISO 3960	< 10	meq(O ₂)/kg
TOTOX (Anisidine index +2x Peroxyde index)	-	< 26	-
Content of CMR, irritant and corrosive substances	CLP regulation	0	%
Content of residual methanol derived from transesterification processes	GC-MS	0	%
Emissions of hazardous, CMR, irritant, corrosive compounds at 160°C.	GC-MS	0	%

ENVIRONMENTAL CHARACTERISTICS

PROPERTY	STANDARD	VALUE	UNITS
Water hazard	WGK Germany	1	Class
Primary biodegradability, CEC 21 days at 25°C	L 33 T 82	Higher than 90	%
Ready biodegradability OCDE 301 A over a 28-day period COD disappearance	ISO 7827	Higher than 80	%
Ready and ultimate biodegradability OCDE 310 C over a 28-day period Biodegradation after 69 days	Modified MITI	Higher than 90 100	% %
Bioaccumulation Partition index (n-octanol/water)	OCDE 107	Lower than 3	log KOW
Vapour pressure at 20°C	NF EN 13016-1	< 0.1	hPa
VOC concentration (Volatile Organic Compounds)	-	0	%
Sulphur content	Bomb calorimeter GC MS	< 200	ppm
Benzene content	ASTM D6229	0	%
Total halogen content	Bomb calorimeter GC MS	< 200	ppm
Chlorinated solvent content	-	0	
Aromatic solvent content	-	0	

Content of substances hazardous to the environment	CLP regulation	0	%
Content of compounds with non-zero GWP	-	0	%
Content of compounds with non-zero ODP	-	0	%
Carbon balance, life cycle analysis.	ISO 14040	4.57	Kg, carbon equivalent

* N/M: Not measured or non-measurable N/A: Not applicable

INSTRUCTIONS AND PRECAUTIONS OF USE

Use the appropriate nozzle for the job, shake the aerosol for a few seconds, spray on surfaces being treated. If needed, wipe with a damp cloth after treatment.

Caution: Following cleaning or in case of accidental spilling, floors can get slippery; rinse with water. **IMPACT** is also a lubricant. Do not use on transmission belts or as a brake cleaner.

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 Consulter la fiche de données de sécurité.

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