

iBiotec®

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

Datasheet - Last update: 1/14/2025

iBiotec® DP 3 MoS²

MOS² PENETRATING AEROSOL
HIGH PENETRATING POWER 24.2 dyne/cm
ULTRA-QUICK RELEASE ACTION
OPTIMUM RELEASE TORQUE (MIL A 907 E10) 40 N/m
VERY HIGHLY LUBRICANT, MoS² Super Fine Finest 2.5µ
SRV TEST 0.09, SHELL FOUR-BALL TEST IMPRINT 0.52, ICS 3100 DAN
REDUCES OPERATING NOISE, PREVENTS WEAR

DESCRIPTION

Product charged in MoS₂, slightly fatty, strongly lubricant.
Guaranteed without silicone, nor acid orthophosphoric.
This product has decarbonizing functions.
It removes the gumming and eliminates light or heavy hydrocarbons.
It avoids flashing and does not resinify.
It is a neutral product, without base, neither acid, without oxidant, nor reducer. Stable product having a remarkable surface tension.
It does not have unpleasant petroleum odor but a natural odor of pine.
It does not have photochemical reactivity and is nonirritating.
Steam pressure at maximum temperature of weak use.
Product water repellent (water drives out), it is usable on wet surfaces.
Compatible with all plastic materials and elastomers, it does not tackle paintings. Its point of spontaneous combustion is high, since it is higher than 230°C.
It is of very great harmlessness with respect to the users.

APPLICATIONS

Bolt and screw manufacture, penstocks, needles.
Degumming of slides of machine tools.
Pivots, boulons.
Push-pull cables.
Electromechanical contacts.
Hinges
Guides.
Pillars.
Slides.
Telescopic aerials.
Supporting members (cleaning and surface redressing).
General maintenance.
Chain degreasing.
Elimination of greases calcined in the bearings.

INSTRUCTIONS FOR USE

Shake the can

Apply without excess

Aerosol used in all positions

PHYSICO-CHEMICAL PROPERTIES TYPICALS

PROPERTIES	STANDARD	VALUE	UNITS
Appearance	Visual	fluid	-
Colour	Visual	black	-
Odour	Olfactory	pine	-
Density at 25°C	EN ISO 12185	790	kg/m ³
Refraction index	ISO 5661	nm	-
Freezing point	ISO 3016	-45	°C
Water solubility	-	0	%
Kinematic viscosity at 40°C	EN 3104	2.1	mm ² /s
Acid value	EN 14104		mg KOH/g
Iodine value	EN 14111	nm	g I ₂ /100g
Water content	ISO 6296		ppm

PERFORMANCE PROPERTIES AS A DEGREASING SOLVENT

PROPERTIES	STANDARD	VALUE	UNITS
KB index	ASTM D1133	97	-
Evaporation rate	-	70	min
Surface tension at 20°C	ISO 6295	24.2	Dyne/cm
Breakdown voltage at 20°C	EN 60156 / IEC 156	nm	kV
Copper blade corrosion, 100 h at 40°C	ISO 2160	1a	Class

PERFORMANCE PROPERTIES AS A LUBRICANT

PROPERTIES	STANDARD	VALUE	UNITS
SRV friction test	ASTM D5707	0.09	Coefficient
Shell four-ball test Imprint diameter	IP 239 ASTM D2596	0.52	mm
Shell four-ball test ICS weld point	IP 239 ASTM D2596	3100	daN
Potential noise reduction	GRW method	-45	dB
Stamping test - Erichsen	ISO 20482	80	N

FIRE SAFETY PROPERTIES

PROPERTIES	STANDARD	VALUE	UNITS
Flash point (closed cup)	ISO 2719	>65	°C
Autoignition temperature	ASTM E659	250	°C
Lower explosive limit	EN 1839	1	% (volume)
Upper explosive limit	EN 1839	7	% (volume)

TOXICOLOGICAL PROPERTIES

PROPERTIES	STANDARD	VALUE	UNITS
Anisidine value	ISO 6885	0	-
Peroxide value	ISO 3960	0	meq(O ₂)/kg
TOTOX (anisidine index +2× peroxide index)	-	0	-
Content of CMR, irritant and corrosive substances	CLP regulation	0	%
Content of residual methanol derived from transesterification processes	GC-MS	0	%
Aldehyde content	GC-MS	0	ppm

ENVIRONMENTAL CHARACTERISTICS

PROPERTY	STANDARD	VALUE	UNITS
Water hazard	WGK Germany	1	Class
Bioaccumulation Partition index (n-octanol/water)	OCDE 107	<3	log KOW

Vapour pressure at 20°C	EN 13016	0.25	hPa
Benzene content	ASTM D6229	0	%
Total halogen content	Bomb calorimeter GC MS	0	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	6.43	Kg, carbon equivalent

PRESENTATION

EXPIRY DATE EXTENDED TO 5 Years

360°

3% FIREPROOF PROPELLANT

97% ACTIVE INGREDIENT

LAST 3 TIMES MORE
Atmospheric gas of natural origin non-flammable
Guaranteed without Butane Propane VOC highly inflammable
Guaranteed without HFC greenhouse effect fluorinated gas
Directive F.Gaz 5017:2014

Aerosol 650 ml

iBiotec
DP 3 MoS₂
FLUIDE PÉNÉTRANT
3 FONCTIONS

AU BISULFURE DE MOLYBDÈNE
DÉGRIPPANT - DESOXYDANT - LUBRIFIANT

THREE-IN-ONE PENETRATING FLUID
MOLYBDENUM DISULFIDE-BASED
FREES UP SEIZED PARTS
DEOXIDISING - LUBRICANT

FLUIDO PENETRANTE 3 FUNCIONES
AL BISULFURE DE MOLIBDENO
DEGRIPANTE - DESOXIDANTE - LUBRICANTE

ŚRODEK PENETRUJĄCY 3-FUNKCYJNY
NA BAZIE DWUSIARCZKU MOLIBDENU
POLUZOWUJE - ODTLENIA SMARUJE

Usage professionnel - Professional use - USO PROFESSIONAL - DO USAGE PROFESSIONNEL

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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

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