

**SIX-FUNCTION AEROSOL FREES SEIZED PARTS
QUICK RELEASE ACTION
HIGH PENETRATING AND DEOXIDISING POWER
ANTI-WEAR LUBRICANT: SRV TEST 0.095
STATIC AND DYNAMIC CORROSION PROTECTION
REMOVES OILS, LUBRICANTS AND INORGANIC CONTAMINATION
INSTANTANEOUSLY REMOVES TAR AND BITUMEN
iBiotec DP6 AEROSOL**

DESCRIPTION

DP6 iBiotec a universal penetrating liquid which frees seized or corroded parts, lubricates, cleans, displaces moisture, prevents corrosion, and removes tar. It does not contain silicon oil, chlorinated solvent, or ortho-phosphoric acid. DP6 iBiotec removes carbons, gums, light or heavy hydrocarbons. It doesn't become resinous. This product has a low surface tension. It has no unpleasant petroleum odor, but a natural pine odor. DP6 iBiotec has a good UV resistance, and is nonirritant. It has a low tension surface. Water repellent, it can be applied on wet surfaces. It leaves a protective anti-corrosive film. DP6 iBiotec is compatible with plastics, elastomers, and is safe on paints.

DOMAINS OF USE

Telescopic antennas	Degumming of machine tool slides
Buildings (cleaning and reviving surfaces)	Degreasing of chains
Nuts and bolts	Elimination of calcinated fats in bearings
Cables under sheaths	General maintenance
Bodywork (detarring)	Slides
Hinges	Guides
Columns	Pivots, axles
Electromechanical contacts	

INSTRUCTIONS FOR USE

Shake the spray a few seconds. Pulverize on surfaces to be treated without excess.. Usable spray in all positions.

HIGHLY LUBRICANT, WEAR-RESISTANT

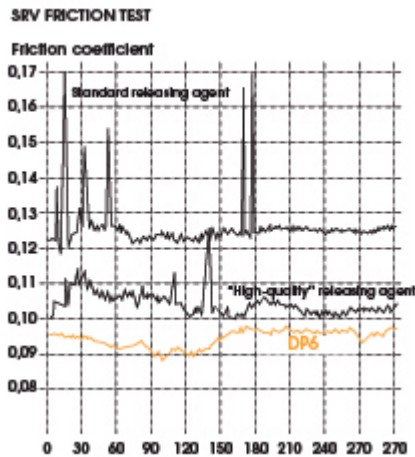
FRICITION COEFFICIENT: SRV FRICTION TEST

The SRV friction test is used to determine a friction coefficient. The lower the friction coefficient:

- the lower the energy consumption
- the lower the forces required for disassembly
- the lower the level of operating noise.

As seen on the graph below, DP 6 has an extremely low and particularly constant friction coefficient. The plot does not exhibit any peaks which would indicate seizure between surfaces.

The peaks shown for a standard releasing agent and a "high-quality" releasing agent demonstrate the low lubricating properties of certain releasing agents.



SHELL FOUR-BALL TEST – IP 239 STANDARD (INSTITUTE OF PETROLEUM)

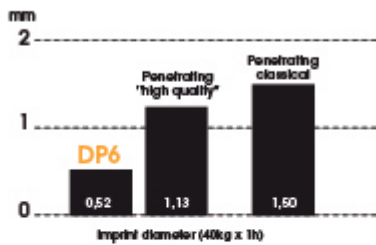
The IP 239 standard specifies a method for determining two parameters: the imprint diameter and the weld point.

- The smaller the imprint diameter, the higher the weld resistance of the product.
- The higher the weld point, the higher the load resistance of the product.

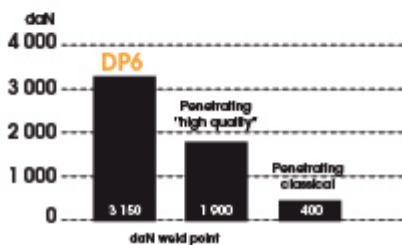
The tests show that DP 6 has high weld resistance and load resistance.

SHELL FOUR-BALL TEST - IP 239 Standard

Imprint diameter



Weld point

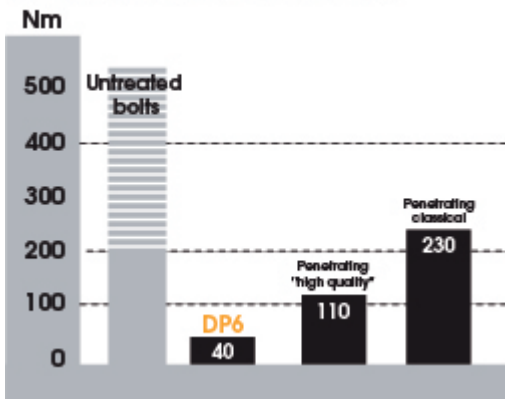


BETTER PENETRATION

THE REMARKABLE RELEASING CAPACITY OF DP 6 INVOLVES TWO MECHANISMS:

- A very low surface tension of 24.2 dyne/cm, measured according to the ISO 6295 standard, ensuring high capillarity, enhanced by specific active ingredients that enable it to penetrate all mechanisms, even when surface roughness is low and clearances are tight.
 - High adsorption into surfaces, enabling oxides to be broken down more easily during mechanical disassembly operations.
- MIL STD A 907 E/D provides a method for measuring the torque needed to dismantle a bolted assembly, using a torque wrench. The forces are expressed in Newtons per metre. The results of the tests performed show very low dismantling torque after applying DP6.

Test MIL A 907 - E/D : Slackening torque



DIELECTRIC

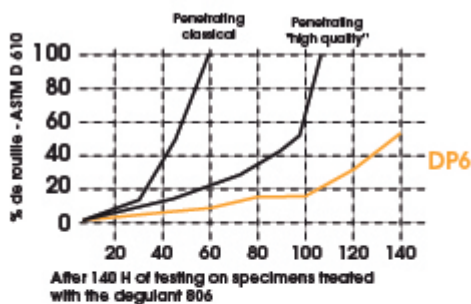
DP 6 has a breakdown voltage of 63,000 V measured in accordance with the IEC 156 standard. It has very high dielectric properties.

DP 6 is used for the maintenance of locked-out electrical equipment.

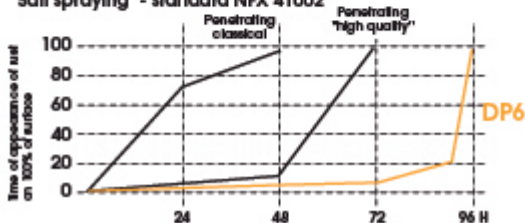
GREATER PROTECTION

Internationally recognised tests have shown that a protective film of DP 6 can act as an effective protective oil that halts and provides long-lasting protection against rust and oxidation.

Wet room - norme ASTM D 2247



Salt spraying - standard NFX 41002



IN PARTICULAR, THE TESTS HAVE PROVEN :

- Easier release of seized assemblies, tools and mechanical parts.
- Effective prevention of seizing, when DP 6 is used during assembly.
- Better preservation of parts, even under harsh conditions such as sea transport.

SAFER

DP 6 offers guarantees :

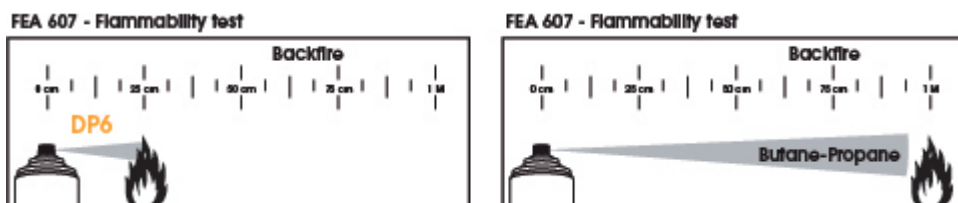
For the environment :

DP 6 is guaranteed free of CFCs, which are suspected of destroying the stratospheric ozone layer, and free of butane and propane, which are suspected of generating excess tropospheric ozone.

For the user :

DP 6 is guaranteed free of chlorinated solvents, including class 3 carcinogens such as PER, TRI and methylene chloride. It does not contain any aromatic or benzene compounds.

Unlike aerosols propelled by butane and propane, there is no risk of accidental flashback. The non-flammable and non-explosive propellant thus avoids the risk of saturation in confined spaces. DP 6 is compatible with all materials with which it is in contact: metals, plastics, coated surfaces.



PHYSICO-CHEMICAL PROPERTIES TYPICALS

PROPERTY	STANDARD	VALUE	UNITS
Appearance	Visual	fluid	-
Colour	Visual	amber	-
Odour	Olfactory	pine	-
Density at 25°C	EN ISO 12185	830	kg/m ³
Refraction index	ISO 5661	1.4550	-
Freezing point	ISO 3016	-20	°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	0	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	63	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	IP 239	0.52	

Imprint diameter	ASTM D2596		mm
Shell four-ball test ICS weld point	IP 239 ASTM D2596	3200	daN
Potential noise reduction	GRW method	-20	dB
FIRE SAFETY PROPERTIES			
PROPERTIES	STANDARD	VALUE	UNITS
Flash point (closed cup)	ISO 2719	64	°C
Autoignition temperature	ASTM E659	230	°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 PROPERTIES			
PROPERTIES	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	6.25	Kg, carbon equivalent

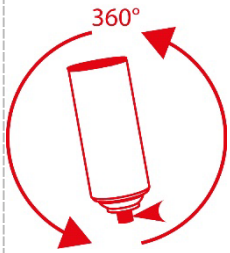
PRESENTATIONS



Aerosol 650 ml



Can 20 L



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

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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

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