

iBiotec®

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

Datasheet - Last update: 1/9/2025

iBiotec® DP 10

TEN-FUNCTION AEROSOL FREES SEIZED PARTS

NSF H1 CERTIFICATION FOR FOOD INDUSTRY USE

**PENETRATES, FREES UP SEIZED PARTS, DEOXIDISES, LUBRICATES, PROTECTS AGAINST
CORROSION**

CLEANS, DEGREASES, DILUTES, CLEANSSES, PREVENTS ADHESION

REMOVES TAR, REMOVES BITUMEN, LUSTERS ELASTOMERS

SAWING AND SLIDING WOOD IN THE SECOND STAGE OF PROCESSING

DESCRIPTION

Deoxidizing, lubricant, tar remover.

Clean, colourless, free from silicone, free from orthophosphoric acid and chlorinated solvents.

Eliminates rubber coating, light or heavy hydrocarbons.

This product, based on vegetal natural esters, is neutral.

It does not have any photochemical reactivity.

Very low surface tension.

This product is compatible with all plastic materials and elastomers. It does not affect paints.

APPLICATIONS

Bolt and screw manufacture, pot type joints, needles, swivels, boudons, electromechanical contacts, hinges, guides, slides, telescopic antennas, chain degreasing.

Lubrication by spraying or impregnation of buffers of saw blades, in the second processing of wood. Planing, profiling, turning, including on very hard classified wood.

Lubricant allowing the sliding of wood on the feed tables.

USE FIELDS

Mechanical industries. Maintenance workshops. Automobile aftersales.

Agricultural industries and farmings. Transport materials. Cement plants.

MORE ECONOMICAL

Apart an obvious risk, from a safety point of view, the quantities of Butane-Propane implemented in an aerosol, are largely higher than those of a compressed gas such as CO₂. It results from it, despite a net volume of more important filling, a weaker quantity of active ingredient.

MORE EFFICIENT BECAUSE...

More protective

DP 10 shows that its protective film is able to act as efficient “protective oil” which stops and prevents for a long time formations of rust and oxidation.

It results from these tests:

- a facilitated releasing of assemblies, tools and machine elements;
- an effective penetrating power, when it is used in assembly;
- a better conservation of pieces even under aggressive conditions, such as in maritime transport.

More penetrating, anti wear

FRICTION RATIO ACCORDING TO SRV FRICTION TEST

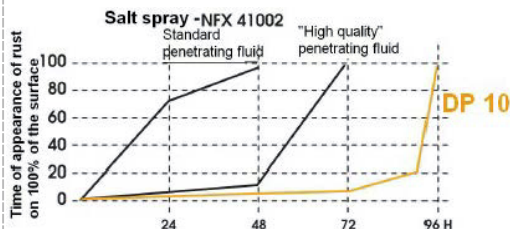
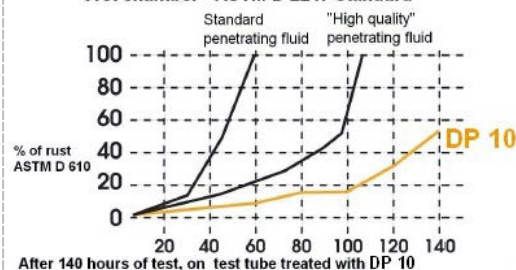
The friction test SRV makes it possible to determine a friction ratio ; the more friction ratio is low :

- the more power consumption is low
- the more efforts of disassembling are weak
- the more noises of operation are reduced.

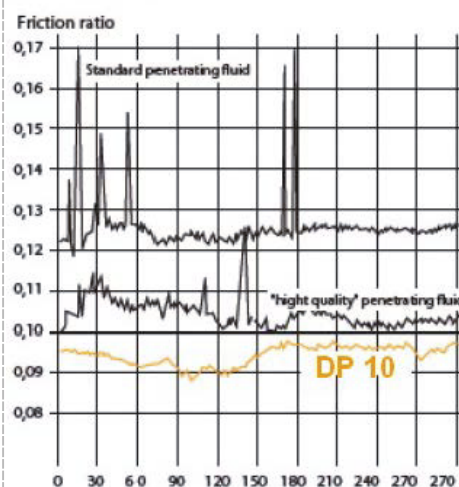
Such as we can see it on the opposite graph, **DP 10** ensures an extremely weak and particularly constant friction ratio.

The line drawing shows the absence of peaks, which indicate the problems of seizing between surfaces. The same peaks for a standard penetrating fluid and a “high quality” penetrating fluid slightly highlight the very weak power of some penetrating fluids.

Wet chamber - ASTM D 2247 standard



SRV : FRICTION TEST



MORE ECOLOGICAL

DP 10 is formulated from esters of plant origin.

In addition, the DP 10 aerosol is completely free of components classified as hazardous to the environment: it is guaranteed VOC-free.

NOT DANGEROUS FOR HEALTH

DP 10 is guaranteed without chlorinated solvent such as PER, TRI and methylene chloride, which are classified cancerogenic.

It is completely free from aromatic compounds or benzene compounds.

Formulated on vegetal base, it is not classified dangerous for health, according to CE criteria (non irritating, not damaging, not sensitizing, not CMR, not toxic...)

Easy to use, it does not issue steam and is practically odourless.

DIRECTIONS FOR USE

Shake the aerosol briefly. Spray without excess onto the surfaces to be disassembled or treated. Aerosol usable in any position.

PHYSICO-CHEMICAL PROPERTIES TYPICALS

| PROPERTIES | STANDARD | VALUE | UNITS |
|------------|-----------|-------|-------|
| Appearance | Visual | Clear | - |
| Colour | Visual | Amber | - |
| Odour | Olfactory | Pine | - |

| | | | |
|-----------------------------|--------------|-----------|------------------------|
| Density at 25°C | EN ISO 12185 | 820 | kg/m ³ |
| Refraction index | ISO 5661 | 1.4500 | - |
| Freezing point | ISO 3016 | - 22 | °C |
| Water solubility | - | Insoluble | % |
| Kinematic viscosity at 40°C | EN 3104 | 3.6 | mm ² /s |
| Acid value | EN 14104 | <0.1 | mg KOH/g |
| Iodine value | EN 14111 | <0.2 | g I ₂ /100g |
| Water content | ISO 6296 | 50 | ppm |

PERFORMANCE PROPERTIES AS A DEGREASING SOLVENT

| PROPERTIES | STANDARD | VALUE | UNITS |
|---------------------------------------|--------------------|-------|---------|
| KB index | ASTM D1133 | 95 | - |
| Evaporation rate | - | N/A | min |
| Surface tension at 20°C | ISO 6295 | 29.8 | 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 |
|---------------------------|------------|-------|-------|
| Potential noise reduction | GRW method | - 25 | dB |

FIRE SAFETY PROPERTIES

| PROPERTIES | STANDARD | VALUE | UNITS |
|--|----------------|-------|------------|
| Flash point (closed cup) | ISO 2719 | 104 | °C |
| Autoignition temperature | ASTM E659 | > 200 | °C |
| Lower explosive limit | EN 1839 | 1 | % (volume) |
| Upper explosive limit | EN 1839 | 6 | % (volume) |
| Content of explosive, oxidizing, flammable, or very/extremely flammable substances | CLP regulation | 0 | % |

TOXICOLOGICAL PROPERTIES

| PROPERTIES | STANDARD | VALUE | UNITS |
|---|----------------|-------|-------------------------|
| Anisidine value | ISO 6885 | < 6 | - |
| Peroxide value | ISO 3960 | < 10 | meq(O ₂)/kg |
| TOTOX (anisidine index +2× peroxide 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 PROPERTIES

| PROPERTIES | 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 | EN 13016 | < 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 | 5.58 | Kg, carbon equivalent |

PRESENTATIONS

| | | |
|---|--|--|
|    <p>Non-flammable and inert propellant of natural origins 3%</p> <p>Amount of active substance contained in the aerosol 97%</p> |  <p>Aerosol 650 ml</p>  |   |
|  | <p>Can 20 L</p>  | |

**Product suitable for agro-food industries (IAA)
Consistent with an HACCP approach or method
Risk analysis, Critical issues for risk management
ISO 22000 CODEX ALIMENTARIUS**

NSF category:

H1 lubricant: can be used in areas in which food is manufactured. Can be used as a lubricant, anti-corrosion agent, as a non-stick agent for tank door hinges, as a lubricating grease for equipment in areas with potential contact with foodstuffs.

iBiotec® Tec Industries® Service
Z.I La Massane - 13210 Saint-Rémy de Provence – France
Tél. +33(0)4 90 92 74 70 – Fax. +33 (0)4 90 92 32 32
www.ibiotec.fr

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 lequel 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.