

# iBiotec®

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

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## iBiotec® DÉMOPLAST® SIL 850

**MULTI-PURPOSE NON-GREASY  
SILICONE AEROSOL  
LUBRICANT, MOULD RELEASE, NON-STICK  
WATERPROOFING, INSULATING, GLOSSING  
CERTIFIED NSF H1 FOR THE FOOD INDUSTRY (IAA)  
NEUTRAL, FILMOGENOUS, NON-STAINING, ODOURLESS  
USABLE ON ALL METALS, THERMOPLASTICS  
ELASTOMERS, THERMOSETS, WOOD, STONE,  
CONCRETE**

### DESCRIPTION

Multi-purpose non-greasy product for difficult demoulding operations and lubrication problems in a clean environment. Colourless, odourless product, with special non-stick properties at interfaces. Perfectly filmogenous, non-staining. Can also be used as a waterproofing agent and a glossing agent. Product with strong anti-fungal and anti-mildew properties. Gives the demoulded parts a satin-effect to glossy finish. Can also be used as a non-stick agent for spatter during welding on parts or sheets not intended for subsequent painting or coating. Usable on all materials such as wood, plastics, elastomers, steel, carbon steel, chrome steel, and light or copper alloys.

**Guaranteed free from :**

**CFC, T111, Dichloromethane, Perchloroethylene, Trichloroethylene and aromatic compounds.**

### APPLICATIONS

**iBiotec Démoplast SIL 850** is a lubricant, non-stick, mould release, non-greasy insulating product, without risk of throw-off or transfer. Its adhesion to surfaces makes it perfectly safe for many applications, particularly in the foodstuffs industries. In the wrapping and packaging sector, particularly in the food industry, demoulding in plastic injection and blow moulding injection.

Non-stick treatment of cutters, including skin pack or blister pack applications.  
Slipping of heavy packages, grouped in skin packs on elastomer conveyor belts.  
Lubrication of screw driving heads whilst maintaining torque.

Thanks to its high-temperature performance above 250°C, its can be used as a non-stick agent to treat extrusion cylinders for PE stretch films.

Insulating and waterproofing treatment for paper, cardboard, and leather.

Non-stick treatment of compression, encapsulation or granulation dies in the pharmaceutical and parapharmaceutical industries.

Demoulding of PU, PE, and epoxy castings.

In the civil engineering and construction sectors, **Démoplast SIL 850** is an excellent waterproofing product and an agent providing protection against mould and fungus on porous materials and porous cut stone.

Thanks to its very low surface tension, it provides penetrating, durable, effective treatment that lasts several decades.

### TYPICAL PHYSICAL-CHEMICAL PROPERTIES

PROPERTIES	STANDARD or METHOD	VALUES	UNITS
Appearance	Visual	Fluid	-
Saybolt colour	NF M 07.003 ASTM D 156	+10	value
Smell	Olfactory	No smell	-
Density at 20°C	ISO 12.155	973	g/l
Utilisation temperature range	-	-40°C+250°C	-
Surface tension at 20°C	ISO 6297	21.1	dyne/cm

### ACTIVE SUBSTANCE PROPERTIES

PROPERTIES	STANDARD or METHOD	VALUES	UNITS
Kinematic viscosity at 25°C	NF EN 3104	1000	mm <sup>2</sup> /sec
Self-combustion point	ASTM E 659	>300	°C
Acid index Ia	ISO 6618	0.0	mg/(KOH)/l
Sulphated ash content	NFT 60,144	0.0	%
Impurities content larger than 5 µm	FTMS 791 3005	0	number/ml
Elastomer compatibility Dimensional variation 168 h at 40°C	FTM 791	less than 0.1	%
Environmental properties Bioaccumulation index Octanol/water ratio	OECD 107	less than 3	log KOW
Refraction index	ISO 5661	1.404	
Dielectric strength	ASTM D 149 IEC 60.243	18	kV/mm

## PRESENTATION

Aerosol 650 ml

EXPIRY DATE EXTENDED TO  
**4**  
Years

360°



Non-flammable and inert propellant of natural origins 3%

Amount of active substance contained in the aerosol 97%



**NSF**

Nonfood Compounds  
Program Listed H1  
146626

**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:

**H1 lubricant** : usable in food manufacturing areas. Usable as an anti-corrosion agent, non-stick for tank lid seals, lubricant for equipment located in potential food-contact areas.

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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

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