

iBiotec®

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

Datasheet - Last update: 2025-02-18

iBiotec®

NEOLUBE® SIL 2272

**MULTI-PURPOSE LIQUID SILICONE FLUID
LUBRICANT, MOULD RELEASE, NON-STICK
WATERPROOFING, INSULATING, GLOSSING
COMPATIBLE AND USABLE ON ALL MATERIALS
CERTIFIED NSF H1 FOR THE FOOD INDUSTRY (IAA)
CAN BE APPLIED USING LOW-PRESSURE SPRAYERS
WITH TOTAL CONTROL OF DEPOSITION**

DESCRIPTION

Multi-purpose product for difficult demoulding operations and lubrication problems in a clean environment.

Colourless, practically odourless product, with special non-stick properties at interfaces.

Can also be used as a waterproofing agent and a glossing agent. 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, steel, carbon steel, chrome steel, and light or copper alloys.

Product with strong anti-fungal and anti-mildew properties.

Insulating fluid with dielectric strength of 14 kV.mm⁻¹.

Coefficient of thermal expansion: $9/9 \cdot 10^{-4}$ (cm³/cm³) in °C.

APPLICATIONS

AUTOMOTIVE: Use as a polish, renovator of imitation leather, leather, lubrication of electrical mechanisms, treatment of locks to prevent freezing.

BUILDING: Waterproofing of stones, concrete, beading effect, treatment of fibreboard, woodwork.

FOOD INDUSTRY: Non-stick treatment of moulds, nets, sealing of cork stoppers, lubrication of belts.

PLASTIC INDUSTRIES: Demoulding of rubber, plastics.

LEATHER: Waterproofing treatment.

HOSPITALS: Lubrication of equipment in rooms and theatres, slides, racks, etc.

FOUNDRIES: Treatment of hot boxes, core boxes, general use, resin-shell mould casting, light alloys in Rebol wax.

MECHANICAL APPLICATIONS: Non-stick treatment for welding nozzles, parts, metal sheets.

ELECTROTECHNICAL: Coating of porous insulators, capacitors, demoulding of insulating casting compounds.
 ELECTRONICS: Non-weldable tropicalisation.
 PAPER MILLS: Treatment of insulating papers.
 Urban furniture.
 PHARMACEUTICAL PRODUCTS: Non-stick for granulation, encapsulation, compression.
 WOOD: Treatment of press platens.
 TEXTILES: Extrusion of nylon wires.
 WRAPPING, CANNERIES: Treatment of transfer belts, sealing jaws.
 PRINTING: Treatment of cutters, dies.
 PACKAGING: Treatment of blister packing and skin pack dies.

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	774	g/l
Utilisation temperature range	-	-40°C+50°C	-
Surface tension at 20°C	ISO 6297	23.7	dyne/cm
Closed-cup flash point	ISO 2719	+64	°C
Freezing point	ISO 3016	-50	°C
Kinematic viscosity at 40°C	NF EN 3104	2.3	mm ² /sec

ACTIVE SUBSTANCE PROPERTIES

PROPERTIES	STANDARD or METHOD	VALUES	UNITS
Kinematic viscosity at 25°C	NF EN 3104	1000	mm ² /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
Danger category for water	WGK	Category 1 no danger for water	category
Refraction index	ISO 5661	1.404	
Dielectric strength	ASTM D 149 IEC 60.243	18	kV/mm

SAFETY PRECAUTIONS

Do not use on parts to be painted or bonded.

Can 20 L



Nonfood Compounds
Program Listed (Category H1)
(Registration 149259)

EXPIRY
DATE
EXTENDED
TO
4
Years

iBiotec® Tec Industries®Service
Z.1 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.