

# iBiotec®

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

Datasheet - Last update: 2025-02-13

## iBiotec® NEOLUBE® ALSI 220

**100% SILICONE GREASE**

food grade contact NSF H1  
approved for contact with drinking water  
Specially designed for valves  
joints, elastomers, rubbers  
very low temperatures  
Antiscaling  
Dielectric insulation

Meets the specifications NATO S 736 - MIL.S.8660 B

### DESCRIPTION

Colourless, odourless, non-staining lubricant that is totally harmless and sensorially inert.

Completely insoluble in water, hot water, steam, marine environments.

Resistant to the spray or pressurised distribution of water or steam.

Inert in the presence of dilute chemical products: acids, bases, mineral or vegetable oils, ethanol, glycerol.

Excellent thermal stability at high and low temperature.

Perfect dielectric resistance. Isolating grease.

Completely compatible with elastomers, thermoplastic elastomers (TPEs), high-performance plastics, bi-material seals.

Prolongs the lifespan of seals, resolves alignment fault issues and leaks.

Continuous lubrication  
-50°C +220°C

**APPROVAL CERTIFICATION N°18 CLP NY 013  
CONTACT WITH DRINKING WATER  
DECREE DGS/VS4 N°2000/32**





PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Oil separation, 7 days at 40°C (bleeding)	NF T 60 191	0.0	% of mass
Oil separation 24 hours at 41kPa (bleeding under pressure)	ASTM D 1742	0	% of mass
Exudation maxi 24h at 150°C	NATO S 736 - MIL S.8660 B	0,1	%
Sulphated ashes	NF T 60 144	0	% of mass
Copper strip corrosion	ASTM D 4048	1b	Sizing
Hoffman oxidation	ASTM D 942	50	psi
Loss by evaporation 22 hours at 121°C	ASTM D 972	0.5	% of mass
Noack evaporation loss	NF T 60 101 CEC L-40 A-93 ASTM D5800	0.8	% of mass
Elastomer swelling 70h at 212°F	ASTM D 4289.83	< 0.5	Dimensional variation %
Temperature range			
Continuous	-	-50 +220	°C
Peak	-	-50 +220	°C
Rotation factor	n.d <sub>m</sub>	50,000	mm.min <sup>-1</sup>
4-ball test	ASTM D 2266 / ISO 20 623		
Wear scar diameter		Non applicable	mm
Wear load index		Non applicable	daN
TIMKEN Test	ASTM D 2509	Non applicable	lbs
EMCOR rust-prevention test			
Dynamic	NF T 60 135	2	Rating
Static	ISO DP 6294/ ASTM D 1743	2	Rating
Resistance to water washout at 80°C	ASTM 1264	< 4	% of mass

\* not measured or not measurable

### ADDITIONAL PROPERTIES

PROPERTIES	STANDARD OR METHOD	VALUE	UNIT
Cold starting torque (-40°C)	ASTM D 1478-63	12	Newton meter
Operating torque (-40°C)	-	2	Newton meter
Dielectric rigidity at 25°C 100Hz (disruptive field)	IEC 156	2.8	KV cm <sup>-1</sup>
Volume resistivity at 25°C	IEC 156	1.1015	W/cm
Breakdown voltage	IEC 156	16,000	V
10 Hz dielectric constant	NFC 26230	2,5	-
Loss tangent at 10 Hz	NFC 26215	10 <sup>3</sup>	-
Volume resistivity	-	10 <sup>15</sup>	ohm/cm

\* not measured or not measurable

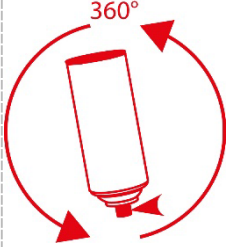
### INSTRUCTIONS FOR USE

NEOLUBE® ALSI 220 is supplied in a tube, with a precision application cannula, in order to fill recesses intended to accommodate watertight seals.

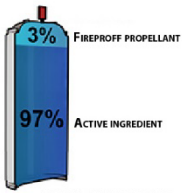
Use sparingly on clean surfaces.



Nonfood Compounds  
Program Listed (Category H1)  
(Registration 152745)



Aerosol 650 ml



LAST 3 TIMES MORE

Atmospheric gas of natural origin non-flammable  
Guaranteed without Butane Propane VOC highly inflamm  
Guaranteed without HFC greenhouse effect fluorinated  
Directive F.Gaz 5017.2014



100 ml tube



Nonfood Compounds  
Program Listed (Category H1)  
(Registration 149212)

Tin 1 L



**100 ml tubes with crush-proof case and precision can**  
For application into grooves designed for holding gaskets, O rings,  
quad rings, membranes, or on lip seals that are U-shaped, radial,  
or V-shaped axial. Static or dynamic gaskets.

**Product suitable for the agro-foods industries (IAA)  
Consistent with an HACCP approach or method  
Risk analysis, critical factors in risk management  
ISO 22 000 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](http://www.ibiotec.fr)

USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS  
Consulter la fiche de données de sécurité.

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