

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

Data Sheet - Last update: 22/01/2025

CUTTING OIL FOR ALL HARD-TO-MACHINE METALS

EXTREME PRESSURE LUBRICANT

WELD-PROOF, ANTI-WEAR

THREADING, DRILLING,

TAPPING, BORING IN HIGHLY ALLOYED STEELS,

WITH CHROME, HEAT-TREATED STEELS

BLIND HOLES OR THROUGH-HOLES

EXCELLENT TOOL RESISTANCE

ROLLING, BENDING, SPINNING, CUTTING, STAMPING

LESS FREQUENT SHARPENING AND POLISHING

iBiotec NEOLUBE® HC2000

DESCRIPTION

Powerful friction reducer, lubricant, weld-proof, with exceptional oil film resistance. Allows excellent evacuation of chips. Suitable for drilling in all sizes, including very small diameters. Allows deep boring operations in hard metals. Usable in cutting removal operations and in deformation for tapping by spinning. Moreover, this product gives remarkable results in plunging before tapping, rolling, bending of steel tubes, and stamping on steels and stainless. This product highlights the extended life of taps and drill bits.

AREAS OF USE

Manual threading.

Thread chasing.

Thread rolling.

Thread die cutting.

Drilling operations.

Boring and deep boring.

Manual and semi-automatic tapping.

Plunging.

PHYSICO-CHEMICAL PROPERTIES TYPICALS

PHYSICAL PROPERTIES OF THE LUBRICATING OIL			
PROPERTIES	STANDARD or METHOD	VALUE	UNITS
Appearance	visual	Fluid	nm
Colour	Visual	Yellow	nm
Scent	Olfactory	Low	nm
Density at 20°C	NF EN ISO 12.185	970	g/l
Nature of solid lubricants	-	Without	-
Nature of base oil	-	Mineral	-
Kinematic Viscosity Base oil at 40°C Base oil at 100°C	NF EN ISO 3,104	12 10	mm ² /s-1 mm ² /s-1
Sulphated ash	NF T 60.144	< 1	%
Acid index (ai)	EN 14,104	< 0.5	mg(KOH)/g
Closed-cup flash point	NF EN 22.719	250	°C
Self-combustion point	ASTM E 659	> 300	°C
Freezing point	ISO 3016	-20	°C
Impurities > 25 µ > 75 µ > 125 µ	FTMS 791 3005	0 0 0	number/ml number/ml number/ml
PERFORMANCE PROPERTIES			
PROPERTIES	STANDARD or METHOD	VALUE	UNITS
Copper blade corrosion 24h 100°C	ISO 2160	1b	value
Loss by evaporation 22h at 121°C	ASTM D 972	0.5	% mass
SHELL 4-ball test Impression diameter Weld load index	ISO 20.623 – ASTM D 2266	0.48 4,800	mm daN
SRV test	ASTM D 5707	0.15	coefficient
Elastomer swelling test (dimensional change)	FTM 791	0.8	%
Water wash-off resistance at 80°C	ASTM 1264	< 3	%
Cold starting torque at - 20°C	ASTM D 1478-63	18	N.cm

* nm not measured or cannot be measured

INSTRUCTIONS FOR USE

Shake the aerosol for a few seconds. Moderately spray the drill bits, taps, or thread dies before engagement. In case of manual threading, spray directly on tubes or round profiles.

PRESENTATION

Aerosol 650 ml



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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

