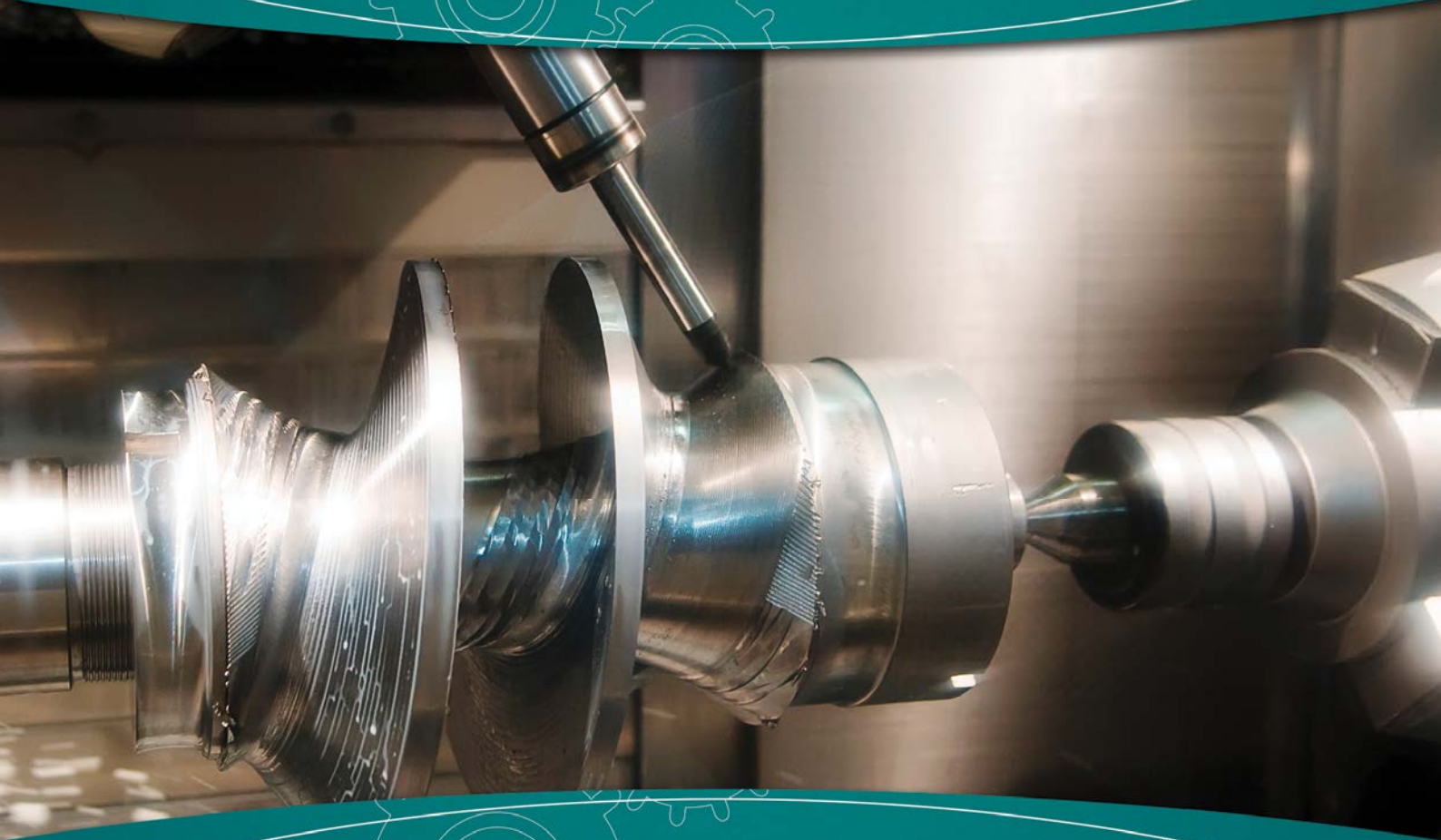


LUBRICATION SOLUTIONS

METALWORKING



MOLYDAL since 1958

Leader in the production of metalworking fluids, MOLYDAL offers a complete range of products and solutions complying with users' technical and environmental requirements:

- Vanishing fluids
- Neat oils
- Minimal quantity lubrication oils
- Soluble oils

To meet each customer's needs, MOLYDAL has developed:

- VOC-free eco-responsible products; MOLYDAL's R&D laboratory is particularly involved in the design of new vegetable-based products.
- High-performance products for the cutting operations.
- Drawing and profiling sectors.
- Lubrication systems with rollers as well as minimal quantity lubrication systems.

A local advisory team is at users' disposal, giving them guidance, solutions and customised recommendations



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MINIMUM QUANTITY LUBRICATION

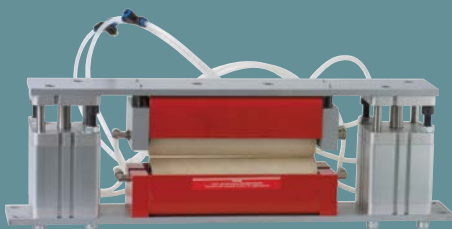
Pump with piston; very economic by a precise distribution of lubricant in concentrated micro fog.

Possible manual regulations according to needs (volume, cadence, debit of the air).

Technical characteristics:

- Service pressure: 4-8 bars
- Debit (Output): 0-150 ml / hour by nozzle
- average Consumption: 10-20 ml / hour by nozzle

Wide range of accessories to be adapted according to the specific needs.



ROLLER FELT LUBRICATION SYSTEM

- Recommended for the lubrication of metal sheet (strips) of any widths.
- Optimal delivery of the lubricant with consumption control.
- Excellent film between the sheet and the tools, avoiding dry zones and micro-jamming or defects on details in production.
- Without fog (comply with the request of HSEQ Management for the protection of operators).

VANISHING OIL



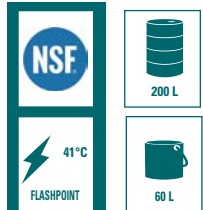
MY 0 VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

DESCRIPTION

Avoids subsequent degreasing operations (fast evaporation). Can be bonded, welded, and painted. Colour: Colourless. Non-Food Compounds Program Listed H1 Registration: 129621

FUNCTION

For all cutting, stamping, profiling, folding, cambering, and light pressing operations on all types of metals (ferrous metals, stainless and coated steels, cuprous, bronze, brass, aluminium, and its alloys) of slight thickness.



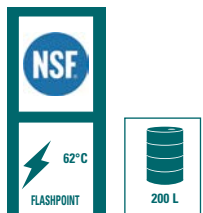
MY 1 VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

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Avoids subsequent degreasing operations (fast evaporation). Can be bonded, welded, and painted. Colour: Colourless. Non-Food Compounds Program Listed H1 Registration: 129621

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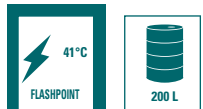
MY 13 VANISHING LUBRICANT FOR METALWORK (SPECIAL ALUMINIUM)

DESCRIPTION

Evanescent fluid made up of hydrocarbons reinforced with extreme-pressure, anti-wear additives as well as smoothening agents. Chlorine-free and free from animal fat. No sticky residues, white traces after evaporation, and high evaporation speed. Can be bonded, welded, and painted.

FUNCTION

Evanescent fluid made up of hydrocarbons reinforced with extreme-pressure, anti-wear additives as well as smoothening agents. Chlorine-free and free from animal fat. No sticky residues, white traces after evaporation, and high evaporation speed. Can be bonded, welded, and painted.



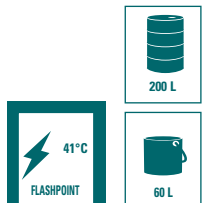
MYE 605 AL VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

DESCRIPTION

Avoids subsequent degreasing operations (fast evaporation). Can be bonded, welded, and painted. Colour: Colourless.

FUNCTION

For all cutting, stamping, profiling, folding, cambering, and pressing operations on all types of metals (ferrous metals, stainless and coated steels, cuprous, bronze, brass, aluminium, and its alloys) of small to medium thickness.



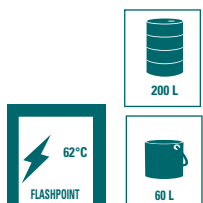
MYE 607 AL VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

DESCRIPTION

Avoids subsequent degreasing operations (fast evaporation). Can be bonded, welded, and painted. Colour: Colourless.

FUNCTION

For all cutting, stamping, profiling, folding, cambering, and pressing operations on all types of metals (ferrous metals, stainless and coated steels, cuprous, bronze, brass, aluminium, and its alloys) of small to medium thickness.





MYE 610

VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

DESCRIPTION

Vanishing fluid made up of hydrocarbons reinforced with extreme-pressure, anti-wear additives as well as smoothening agents. Colour: colourless. Can be bonded, welded, and painted.

FUNCTION

For all cutting, stamping, profiling, folding, cambering, and pressing operations on all types of metals (ferrous metals, stainless and coated steels, cuprous, bronze, brass, aluminium, and its alloys) of small to medium thickness.



MYE 615 AL

VANISHING LUBRICANT THAT CAN BE USED IN FOOD INDUSTRIES

DESCRIPTION

Vanishing fluid made up of hydrocarbons reinforced with extreme-pressure, anti-wear additives as well as smoothening agents. Non-Food Compounds Program Listed H1 Registration: 130185

FUNCTION

Para la deformación en frío de todos los metales. Para todas las operaciones de corte, punzonado, perfilado, plegado, curvado y embutido en todo tipo de metales (metales ferrosos, aceros inoxidable y revestidos, cúpricos, bronce, latón, aluminio y sus aleaciones) de grosor de reducido a medio.leghe).



VOC FREE VANISHING OIL



MYC 170

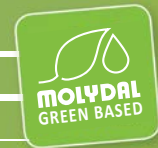
METALWORKING VANISHING OIL

DESCRIPTION

Colourless liquid made of hydrocarbons and reinforced with extreme-pressure additives, anti-wear and unctuous agents. Presents almost no sticky residuals nor any white traces after evaporation.

FUNCTION

For any metalworking operation: cutting, stamping, bending, profiling, cambering on all materials (stainless steel, aluminium, copper etc...).



SOLESTER 45

READY-TO-USE WATER-BASED METALWORKING FLUID

DESCRIPTION

SOLESTER 45 is a water based fluid made of vegetal polymer, Free from boron and secondary amine. Free from any petroleum based solvent; Can be used on any materials.

FUNCTION

Profiling, stamping and cutting of any materials without steel stretching



SOLESTER 77

READY-TO-USE WATER-BASED METALWORKING FLUID

DESCRIPTION

Aqueous fluid formulated with vegetable polymers. Biodegradable product designed without environmental restrictions. Non-flammable lubricant. Designed to be very safe for operators (no safety labelling).

FUNCTION

Steel profiling, pressing with and without drawing out, cutting, stainless-steel rolling (manufacturing chimney sheaths).





SOLESTER 91 GREEN-BASED READY-TO-USE MICROEMULSION



DESCRIPTION

Water based fluid made of vegetal polymer, Free from boron and secondary amine. Free from any petroleum based solvent ; Can be used on any materials. Non flammable lubricant : improve safety for the operators

FUNCTION

Profiling of gypsum plates rails, stamping, cutting, stainless steel rolling etc...



 VISCOSITY AT
 40 °C :
 5 CST



 200 L



 20 L

NEAT OIL



H 115 AL NEAT OIL FOR INCIDENTAL CONTACT WITH FOODSTUFFS

DESCRIPTION

Low-viscosity mineral oil. It can be used on all metals, and it is compatible with most elastomers and plastics for incidental contact with foodstuffs. Colour: Colourless. Non-Food Compounds Program Listed H1 Registration: 126641

FUNCTION

For general lubrication operations, cutting, pressing, and folding on all metals in food industries (covers, tin cans, etc.)





 > 200°C
 FLASHPOINT



 200 L



H 125 AL NEAT OIL FOR INCIDENTAL OR DIRECT CONTACT WITH FOODSTUFFS

DESCRIPTION

High-viscosity mineral oil. It can be used on all metals, and it is compatible with most elastomers and plastics for direct and indirect contact with foodstuffs. Colour: Colourless. Non Food Compounds Program Listed H1 & 3H Registration: 137920

FUNCTION

For general lubrication operations, cutting, pressing, and folding on all metals in food industries (covers, tin cans, etc.)





 > 200°C
 FLASHPOINT



 200 L



 60 L



H 128 NON-CHLORINATED NEAT OIL FOR METALWORKING OPERATIONS (SPECIAL CUPROUS)

DESCRIPTION

Low-viscosity, chlorine-free cutting oil.

FUNCTION

For current machining operations on ferrous or non-ferrous metals (scalping, sawing, milling, drilling, boring, folding, etc.).



 VISCOSITY AT
 40 °C :
 25 CST



 > 150°C
 FLASHPOINT



 200 L



H 326 NON-CHLORINATED NEAT OIL FOR METALWORKING OPERATIONS

DESCRIPTION

Medium-viscosity, chlorine-free cutting oil.

FUNCTION

For current machining operations on ferrous or non-ferrous metals (sawing, milling, drilling, boring, folding, etc.).



 VISCOSITY AT
 40 °C :
 98 CST



 > 150°C
 FLASHPOINT



 200 L



H 328

NON-CHLORINATED NEAT OIL F OR METALWORKING OPERATIONS

DESCRIPTION

Low-viscosity, chlorine-free cutting oil.

FUNCTION

For current machining operations on ferrous or non-ferrous metals (sawing, milling, drilling, boring, folding, etc.).

 VISCOSITY AT 40 °C: 25 CST	 200 L
 > 150°C FLASHPOINT	 60 L



H 470

NON-CHLORINATED NEAT OIL FOR METALWORKING OPERATIONS

DESCRIPTION

Extreme-pressure, chlorine-free cutting oil.

FUNCTION

For relatively difficult machining operations on ferrous or non-ferrous metals (pressing, tapping, cutting, cross-cutting, etc.).

 VISCOSITY AT 40 °C: 170 CST	 200 L
 > 150°C FLASHPOINT	 60 L



STAREX

EXTREME PRESSURE CUTTING OIL AEROSOL

DESCRIPTION

Special oil intended for various machining, drilling and tapping operations by manual application. Extreme pressure oil to be used on all grades of steel and on light and cuprous alloys.

FUNCTION

STAREX is easy to remove from light and cuprous alloys. We recommend degreasing quickly to prevent superficial staining if visual appearance is important. STAREX should always be shaken before spraying.

 650 ml



TEREBOR

TAPPING, DRILLING AND MACHINING FLUID

DESCRIPTION

Low-viscosity lubricant for drilling, tapping, and machining. Blue colour.

FUNCTION

For tapping high strength and extra hard steels, heat-resistant and refractory steels and stainless steel, for chip removal on small diameters, blind holes and metals with low machinability, on automatic or semi-automatic machines.

 VISCOSITY AT 40 °C: 22 CST	 125 ml
 > 60°C FLASHPOINT	 5 Kg
	 20 Kg



VG CUT 77

WATER BASED LUBRICANT DRILLING - TAPPING

DESCRIPTION

Water based fluid made of vegetal polymer. Non flammable, VOC free and biodegradable, no safety restrictions. Can be used on any materials.

UTILISATION

Drilling, tapping.



 650 ml

METALWORKING



LUBA 20 GREEN-BASED EXTREME PRESSURE OIL FOR CUTTING AND DEEP DRAWING OPERATIONS



DESCRIPTION

Biodegradable fluid exclusively made from sustainable materials. VOC free. No odor and no risk of explosivity nor safety labelling. Compatible with all polymers

FUNCTION

Specially made to replace neat oils and vanishing oils for stamping, cutting, deep drawing applications.

 VISCOSITY AT 40 °C : 5 mm ² /s	 200 L
 FLASHPOINT > 160°C	 60 L



LUBA 25 GREEN-BASED EXTREME PRESSURE OIL FOR CUTTING AND DEEP DRAWING OPERATIONS



DESCRIPTION

Biodegradable fluid exclusively made from sustainable materials. VOC free. No odor and no risk of explosivity nor safety labelling. Compatible with all polymers

FUNCTION

Specially made to replace neat oils and vanishing oils for stamping, cutting, deep drawing applications.

 VISCOSITY AT 40 °C : 10 mm ² /s	 200 L
 FLASHPOINT > 160°C	 60 L



HCB 300 NEAT OIL FOR MICRO-SPRAYING

DESCRIPTION

Low-viscosity synthetic cutting fluid for machining operations using micro-spraying with the aim of reducing the amounts of material deposited and increasing cutting speeds. Formulated on an ester base reinforced with EP and anti-wear additive.

FUNCTION

For drilling, tapping, sawing, milling, etc., operations. It is also used for cross-cutting aluminium profiles. Viscosity at 40°C: (ISO 3104) 29 cst.

 VISCOSITY AT 40 °C : 29 CST	 200 L
 FLASHPOINT > 150°C	 20 L



HCB 400 NEAT OIL FOR MICRO-SPRAYING

DESCRIPTION

Low-viscosity synthetic cutting fluid for machining operations using micro-spraying with the aim of reducing the amounts of material deposited and increasing cutting speeds. Formulated on an ester base reinforced with EP and anti-wear additive.

FUNCTION

For drilling, tapping, sawing, milling, etc., operations. It is also used for cross-cutting aluminium profiles. Viscosity at 40°C: (ISO 3104) 29 cst.

 VISCOSITY AT 40 °C : 42 CST	 200 L
 FLASHPOINT > 200°C	 20 L

SOLUBLE OIL



SOLCUT 700 BS MULTIPURPOSE CHLORINE-FREE SOLUBLE OIL

DESCRIPTION

Milky emulsion with good stability. It can be used with ordinary water. It provides effective protection against corrosion for parts, tools, and machines. SOLCUT 700 BS is guaranteed bore-free as well as being free of chlorine derivatives, secondary amines, and formaldehyde. It has good lubricating power and allows an increase in the lifespan of the tool as well as an improvement in the surface state of machined parts.

FUNCTION

For all chip-removal operations. Machining, thread-cutting, tapping, drilling, turning, and milling of 5% to more than 10% in water, depending on difficulties and the extent of deformations. Can be used on all types of metals (ferrous, cuprous, and aluminium).

 200 L	 60 L
 VISCOSITY AT 40 °C : 27 CST	 20 L
 FREEZING POINT -25 °C	



SOLCUT 800 EP

EXTREME PRESSURE CHLORINE-FREE SOLUBLE OIL

DESCRIPTION

Extreme-pressure milky emulsion with good stability. Can be used with ordinary water. SOLCUT 800 EP is guaranteed bore-free as well as being free of chlorine derivatives, secondary amines, and formaldehyde. It has good lubricating power and allows an increase in the lifespan of the tool as well as an improvement in the surface state of machined parts.

FUNCTION

For all chip-removal operations. Machining, thread-cutting, tapping, drilling, turning, and milling of 5% to more than 10% in water, depending on difficulties and the extent of deformations. Can be used on all types of metals (ferrous, cuprous, and aluminium).

 VISCOSITY AT 40 °C : 170 CST	 200 L
 FREEZING POINT -15 °C	 5 L / 20 L



SOLESTER 520

GREEN CHEMISTRY BASED MICRO-EMULSION



DESCRIPTION

Micro-emulsion obtained from vegetal polymers. It is very safe for operators since it is formulated without mineral oil or VOCs. It is free of chlorine, phosphorus, and sulphur, as well as being guaranteed free of secondary amines, formal release agent, and heavy metals.

FUNCTION

All chip-removal operations. Machining, thread-cutting, tapping, drilling, pressing, turning, and milling of 4% to more than 10% in water, depending on difficulties and the extent of deformations. Can be used on all types of metals (ferrous, cuprous, and aluminium). Grinding and profiling on aluminium mixed to 1%.

 VISCOSITY AT 40 °C : 20 CST	 200 L
 FREEZING POINT -10 °C	 20 L



MICROCUT 218

MULTIPURPOSE SEMI-SYNTHETIC CUTTING OIL

DESCRIPTION

Micro-emulsion of good stability. Can be used with ordinary water, regardless of the hardness of the water used. Guaranteed free of bore, chlorine derivatives, secondary amines, and formaldehyde. Provides effective protection against corrosion for parts, tools, and machines.

FUNCTION

All chip-removal operations. Machining, thread cutting, tapping, drilling, milling, turning, and drawing of 5 to more than 10% in water depending on the difficulties and the extent of the deformation, on all types of materials (ferrous, cuprous and aluminium). Grinding from 3% to 4%.

 VISCOSITY AT 40 °C : 30 CST	 200 L
 FREEZING POINT -14 °C	 5 L / 20 L



RECTICUT 620

SOLUBLE GRINDING OIL

DESCRIPTION

High-performance, soluble machining oil of the true-solution type and guaranteed bore-free as well as free of chlorine derivatives, secondary amines, and formaldehyde. It is chemically and biologically stable, and peeling is absent. RECTICUT 620 is biostable and particularly resistant to bacterial or fungal proliferation.

FUNCTION

Plane and cylindrical grinding of all steels and cast irons, as well as fine-disc cross-cutting. It is also used in machining.

 VISCOSITY AT 40 °C : 8 CST	 200 KG
 FREEZING POINT -5 °C	 20 KG



EXTRACIDE 3208

BACTERICIDE AND FUNGICIDE FOR MACHINE TOOLS

DESCRIPTION

Bactericide, fungicide. To be used as a cleaner, disinfectant, or for temporary treatment.

FUNCTION

To clean and degrease your machines, workshops, and floors. As a total disinfectant: for disinfecting the watering circuits of machine tools: use 1% in cold water. To re-start a polluted machine: pour 2% into cold water.

 1 KG



MOLYDAL ECO-RESPONSIBLE LUBRICANTS

Products ahead of our time!

A new generation of extreme pressure lubricants for metalworking operations; entirely designed from renewable raw materials: 100 % green-based LUBA oils.

LUBA oil, a reference for the future

VOC-free, biodegradable, odourless and non-irritating fluids, they belong to the new category of lubricants for which the question of advantages is not asked – it goes without saying:

- they replace neat oils and vanishing fluids,
- are extremely compatible with metals, plastics, elastomers and rubbers,
- they leave an oily film which does not carbonize,
- are ready-to-use,
- they increase the lifespan of tools and the surface condition of parts,
- and they reduce lubricant consumption.

1958



Since the brand's creation, MOLYDAL has always been manufacturing high technology lubricants and greases for the worlds of industry and maintenance, offering uncompromising performances and efficiency. Today, the company is determined and committed to an approach shaped by environmental issues. With its Research and Development laboratory, MOLYDAL develop products from green chemistry, at the heart of which is the use of natural resources and optimisation of processes: saving materials, energy and time.



Using these eco-designed products means choosing productivity and respect for people and their environment.



LUBRICATION SYSTEMS

A comprehensive range of lubrication systems and accessories, adapted to all industrial requirements.

- ▶ WORKSHOP EQUIPMENT
- ▶ SINGLE POINT LUBRICATORS
- ▶ PROGRESSIVE CENTRALIZED LUBRICATION SYSTEMS
- ▶ DUAL LINE GREASING SYSTEMS
- ▶ ACCESSORIES AND OFFSET LUBRICATION POINTS
- ▶ PARTS WASHER
- ▶ ROLLER LINE
- ▶ MQLS AND CHAIN LUBRICATION



- ▶ SERVICES : Custom-made survey with a trained team
On-site delivery and installation
Training
After-sales service
Maintenance contract



With over 50 years of experience, MOLYDAL designs lubrication solutions for various industrial activities.

A French company on a human scale engaged in certification and approval processes, MOLYDAL continues to consolidate its presence in Europe and extend its development worldwide.

The company's know-how has enabled it to offer a complete range of products and material intended for all business sectors (Metalwork, food industries, sugar industries, iron industry, granulation industry, plastic injection, automotive, energy, etc.), where some specific approvals are sometimes required (PMUC, NSF, etc.).

MOLYDAL VALUES

- Quality policy with a product range designed in compliance with all regulations in force.
- Environmental policy with an eco-responsible product range, with performance equal or superior to current.
- Innovation policy with the formulation and testing of the products of tomorrow by the integrated R&D



MOLYDAL OBJECTIVES

- Extending the development of the product range to help industries to optimize the profitability of their processes.
- Extending the company's partnership with various industries to optimize its range of products adapted to the
- specific features and/or the requirement of manufacturing processes.

MOLYDAL SERVICES

- Technical solutions to specific industrial issues : customised recommendations and analysis.
- Responsive teams nearby for a personalised local service.
- The resumption of our chlorinated and non-chlorinated used products (field in keeping with waste recovery).



YOUR REPRESENTATIVE :



Création : neuJIC Octobre 2014



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