



ECOFRIENDLY LUBRICATION SOLUTIONS



LUBRICATION SOLUTIONS

#V3

Specialist in industrial lubrication since 1958 and major actor in product development, MOLYDAL is contributing to the optimisation of industrial equipment lifetimes while improving user safety and operational cost-effectiveness. With its know-how, today MOLYDAL is a supplier partner for the food, sugar, granulation, steel, plastic injection, car, energy industries and many others.

MOLYDAL is well aware of the impact of petroleum products on the environment and health, and has been committed for over 10 years in an eco-designed product development programme. MOLYDAL is investing more than ever in research and development. Every year, there is a wider range of eco-responsible products. In particular, the eco-responsible range metalworking fluids offers products with optimum performance yielding gains in productivity and respect for operators' safety.

Degreaser performance is also improving, with no danger to users. As for maintenance products, as far as possible, MOLYDAL substitutes petroleum bases by biobased raw materials to offer customers a better alternative.

Associated with special application systems, MOLYDAL lubrication solutions are contributing to decreasing product loss and saving time for technicians. (MOLYDAL Roller Line roller lubricators, microspray, bench can degreasers).

A team of specialists is at users' disposal for support with custom solutions and recommendations.



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With these two logos, products for the food industry approved by the NSF or 2probit (European food certification body) in the following categories can easily be identified:

- K1 for solvent-based cleaners - Products for untreated areas
- A1 for general cleaners
- H1 for general accidental contact lubricants
- 3H for lubricants in direct contact



With MOLYDAL's own logo "MOSH MOAH FREE LUBRICANTS", products containing neither MOSH nor MOAH, important criteria for the food industry, can be identified..

- MOSH: Mineral oil saturated hydrocarbons
- MOAH: Mineral oil aromatic hydrocarbons

These substances are food contaminants and are considered to be potentially harmful to health (genotoxic or mutagenic).



With MOLYDAL's own GREEN LUBRICANTS logo, eco-responsible products can be identified.

- **PERFORMANCE:** products with the same or even better performance than mineral-based products, with technical data displayed as indicator.
- **SAFETY:** products without safety pictographs; safety indicator consultation of FDS on demand.
- **ENVIRONMENT:** maximum use of biosourced raw materials in product formulation, indicator: Molydal is a participant in the "USDA BioPreferred® Program" and is committed to the certification of its eco-responsible products.



The labelling of USDA certified biobased products with BioPreferred® users can identify and compare the biosourced products

What's a biobased product ?

Biobased products are plant derivatives and other renewable agricultural, marine and forest materials. They generally provide an alternative to conventional oil-derived products and include a varied range of offers such as lubricants, detergents, inks, fertilizers and bioplastics.

What does renewable mean ?

Renewable describes an inexhaustible and easily replaceable source. In the context of biosourced products, renewable resources include agricultural, forest and marine resources such as seaweed, and not the product itself.

What's a USDA certified biosourced product ?

It's a product with biosourced content that has been verified by a third party, and that has obtained the USDA (United States Department of Agriculture). certification and approval.

The USDA BioPreferred® Program has established minimum standards for biosourced content in various product categories. To be certified, the product must reach or exceed the minimum percentage of content of biosourced origin in the given category.

The certified product is then authorised to display the "USDA Certified Biobased Product" logo giving the percentage of biosourced contained in the product.



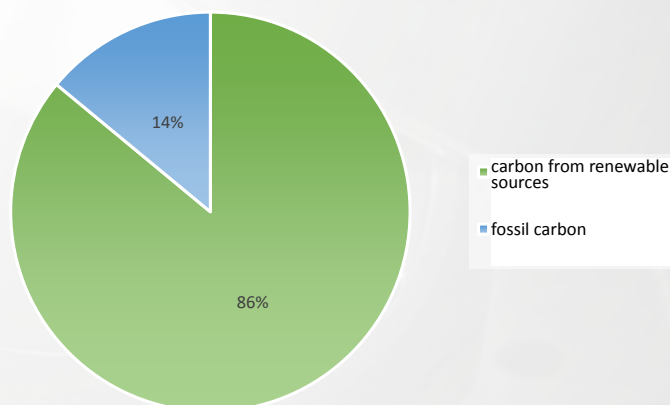
A list of product categories and their biosourced content is available at <http://www.biopreferred.gov/BioPreferred/faces/pages/ProductCategories.xhtml>.

In the example of a label below, the product X contains 86% of USDA certified biosourced content.



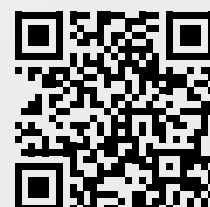
The design of this label symbolises the sun, the soil and the aquatic environments.

The percentage of biosourced content refers to the ratio between carbon from renewable sources and total carbon in a product.



By choosing a biosourced product certified as "USDA Certified Biobased Product", the consumer has a guarantee on the accuracy of the percentage of biosourced raw materials shown on the label.

For more information, go to the site <http://www.biopreferred.gov>.



GREASES



PACKING		REF
400 G	CARTRIDGE	AGR100CA
50 KG	KEG	AGR10050
180 KG	DRUM	AGR100FT

AGR 100

BIODEGRADABLE MULTIPURPOSE WATER RESISTANT GREASE

DESCRIPTION

AGR 100 is made from vegetal oil and ester. It is a biodegradable grease with a calcium soap. It is a multipurpose grease to be used in environmentally sensitive areas. Its formulation complies with the standards of respect for the environment and of sustainable development promotion.

USE

Lubrication of bearings and any other mechanical organs in agriculture or transportation industries. General lubrication of any parts where environmental pollution is prohibited. Quarries, public works, wood industry, forestry, transportation etc ...

TECHNICAL DATA

- Operating temperature range: -45°C to +100°C
- NLGI Grade: 2
- > 90% of "easily biodegradable" raw material (OECD 301)



PACKING		REF
400 G	CARTRIDGE	AGL80ALCA
50 KG	KEG	AGL80AL50

AGL 80 AL

MOSH-MOAH & POSH FREE WHITE FOOD GRADE GREASE

DESCRIPTION

Approved by NSF on the requirements of the FDA, in category H1; registration 160760. Lubricating grease made of biodegradable esters. It is free from mineral oil (MOSH-MOAH) and free from polyolefin (POSH). Its fully synthetic base oil offers an optimised lifetime to lubricated mechanisms. AGL 80 AL has a good resistance to water washout, steam and detergents.

USE

Lubrication of bearings in pellet presses and crushing process (trituration). Lubrication of presses and any bearings in the food industry (can production, bevcan process etc). Lubrication of any kind of bearings working under loads, humidity, and a maximum operating temperature of 120°C. Any process in oil-mills. Can also be used in environmentally sensitive industries like marine and shipyard, agriculture, forestry, public works, quarries etc ...

TECHNICAL DATA

- Operating temperatures : from -45°C to +120°C
- NLGI Grade: 2

CHAIN AND CABLE LUBRICANTS



PACKING		REF
650 ML	AEROSOL	VEGA908A2
20 L	JERRYCAN	VEGA90820
200 L	DRUM	VEGA908FT

VEGA 908

ECOFRIENDLY LUBRICANT FOR CHAINS AND CABLES

DESCRIPTION

Without safety labelling. Renewable raw materials-based, used for lubrication in moist conditions. used for lubrication in moist conditions. Smooth and adherent with good anti-wear qualities. Strong penetrative properties for homogeneous spreading of lubricant up to the centre of link shafts. VEGA 908 contains 100% USDA certified biobased content.

USE

For conveyor and quenching chains, paint oven and screen printing ovens. Used in all types of industry, automobile industry, tin cans, sugar, chemicals, etc.

TECHNICAL DATA

- Operating temperature range: -30°C to +140°C
- Viscosity @ 40°C: 160 Cst
- Non-flammable propellant: CO2
- RRM: 100%



PACKING		REF
20 L	JERRYCAN	VEGA6820
200 L	DRUM	VEGA68_FT

VEGA 68

ECOFRIENDLY CHAIN LUBRICANT

DESCRIPTION

Ester-based chain oil made from renewable raw materials. Produced without any environmental restriction. Made to be completely harmless to operators. Designed to be used in humid conditions (resist water wash-out). VEGA908 is adhesive and offers superior anti-wear properties.

USE

Lubrication of chains in dusty environments. Lubrication of guides and slides. Highly resistant to water-washout. Pulp & paper, wood industry etc...

TECHNICAL DATA

- Operating temperature range: -30°C to +200°C
- Viscosity @ 40°C: 68 Cst
- RRM: > 86%

DEGREASING



KL 9 H

ECOFRIENDLY AQUEOUS DEGREASING CLEANER

DESCRIPTION

Ready for use. Renewable raw material-based. V.O.C free, petroleum-based solvent free, chlorine free, EDTA free, glycol free. Approved for the food industry- certified by the National Sanitation Foundation (NSF), which is based on the Food and Drug Administration's (FDA) class A1 requirements (Registration number 162092). MOSH-MOAH and POSH free cleaner.

USE

Easily removes greases, oils and sludge, waxy or oily rust preventatives in agro-food industries. Can be sprayed, used in a tank, with a brush, with cloths, in floor washers and part-washers.

TECHNICAL DATA

- Operating temperature range: 0°C to +100°C

PACKING		REF
750 ML	TRIGGER SPRAY	KL9HPULVE
5 L	JERRYCAN	KL9H5L
20 L	JERRYCAN	KL9H20
200 L	PLASTIC DRUM	KL9HFT



FONTAINE BIO

BIO CLEANING TABLE : PARTS WASHER FOR WATER-BASED CLEANERS SUCH AS KL9H / KLW 10

DESCRIPTION

Parts washer for cleaning pieces with warm water or biodegradable detergents. Sécurité des opérateurs optimale.

USE

For any cleaning operation on aluminum or steels, repairing in any workshop where hazardous or solvented cleaners are prohibited. Pour dégraissants phases aqueuses type KL 9 H / KLW 10.

TECHNICAL DATA

- 100 liter stainless steel tank
- Dimensions: L. 800 mm- D. 780 mm- H. 1100 mm
- Resistance: 1000 W
- Operating temperature: 35-40 ° C
- Weight: 80 kg
- Admissible load: 500 kg

PACKING		REF
PARTS WASHER 230VAC		BIO-F800
PARTS WASHER COVER		BIO-CAP800
VALVE		BIO-RA800
WHEELS FOR THE PARTS WASHER		BIO-WH800
SOFT BRUSH		BIO-PS800



KLW 10

WATER-BASED CLEANER WITH GREAT DEGREASING POWER

DESCRIPTION

Ready-to-use water-based industrial cleaner (mechanical parts, chains, bearings, filters, floors, machines, moulds and dies etc...). Formulated with easily biodegradable surfactants. Contains corrosion inhibitors. Compatible with aluminum and other metals due to its pH value.

UTILISATION

Décolle et élimine les salissures industrielles de type grasses, huiles de coupe, protections temporaires huileuses ou cirées. Sa faible tension de surface facilite le nettoyage en profondeur des sols et des machines. Faiblement moussant, il peut être utilisé en machines autolaveuses et nettoyeurs haute pression. Inerte vis-à-vis de la plupart des matières plastiques et des peintures. Compatible avec les joints PTFE, Viton et Fluorocarbène.

DONNÉES TECHNIQUES

- Operating temperatures: 0 to 100°C
- PH : 8,60

CONDITIONNEMENT		REF
5 L	JERRYCAN	KLW105L
20 L	JERRYCAN	KLW1020
200 L	DRUM	KLW10FT
750 ML	TRIGGER SPRAY	KLW10PULVE



KL BIO

ECOFRIENDLY BITUMEN AND TAR REMOVAL CLEANING AND DEGREASING AGENT

DESCRIPTION

Emulsifiable fluid, V.O.C free Comprised exclusively of renewable products (synergy of fatty acid esters of sunflower, coconut, etc.). Odourless and without safety labelling. Can be used pure puis être rincé à l'eau.

USE

Bitumen and tar removal cleaning and degreasing agent. Can be used on a cloth, in a degreasing fountain (fitted with diaphragm pumps), by sprinkling, or by immersion.

TECHNICAL DATA

- Flash point: > 150 °C
- RRM: >95%

PACKING		REF
5 L	JERRYCAN	KL BIO5L
20 L	JERRYCAN	KL BIO20
200 L	DRUM	KL BIOFT

V.O.C.-FREE PENETRATING OILS



V7 BIO

ECOFRIENDLY LUBRICATING PENETRATING OIL

DESCRIPTION

V.O.C-free lubricating penetrating oil, and with very low surface tension. Without safety labelling. Penetrating oil, anti-rust, and anticorrosion. Does not stain parts.

USE

For a quick release of parts seized by oxidation: Nuts and bolts, screwed assemblies, locks, slides, piston rods, etc. Lubrication: cutting, stamping and low deformation on steel and alloys. Tapping and drilling.

TECHNICAL DATA

- Flash point: > 100°C

PACKING		REF
5 L	JERRYCAN	V7BIO5L

COMPRESSED AIR LUBRICANT



AIR S22 AL

OIL FOR FRL CIRCUIT, MOSH AND MOAH FREE

DESCRIPTION

For a clean lubrication operation of compressed air tools, pumps and compressed air appliances. Better performance for mechanisms. Approved by 2probiy.eu, in category H1 Registration CA1824301.

USE

Lubrication of all compressed air circuits and protection of pumps, compressed air tools and appliances operating with compressed air in all moist, dusty, corrosive and hot conditions.

TECHNICAL DATA

- Operating temperature range:-15°C to +150°C
- Viscosity @ 40°C: 22 Cst

PACKING		REF
1 L	CAN	AIR522ALB1
5 L	CAN	AIR522AL5L

HIGH TEMPERATURE LUBRICANTS



P 716

ANTI-STICKING LUBRICANT ECOFRIENDLY & FOOD GRADED

DESCRIPTION

No specific health survey is needed with P716. No hazardous material in. Free from any mineral resources: exclusively formulated from renewable materials. No silicon. Non irritating and odourless. Certified by the National Sanitation Foundation (NSF), which is based on the Food and Drug Administration's (FDA) class H1 requirements.(Registration number 162094). MOSH-MOAH and POSH free lubricant.

USE

PET bottles lubrication. Lubrication of preforms. Any kind of anti-sticking application, mould releasing process etc...

TECHNICAL DATA

- Operating Temperatures range:-20°C to 200°C
- Viscosity @ 40°C: 42-50 Cst
- Flash point: 290°C
- 100% of "easily biodegradable" raw material (OECD 301)
- Renewable raw material: > 80%

PACKING		REF
20 L	JERRYCAN	P71620

NEAT OILS



PACKING	REF	
20 L	JERRYCAN	LUBA2120
200 L	DRUM	LUBA21FT

LUBA 21

ECOFRIENDLY LUBRICANT FOR PROFILING AND LIGHT CUTTING OPERATIONS

DESCRIPTION

Cold forming chlorine-free fluid. Designed to replace solvanted oils and mineral based fluids. Made from vegetal synthetic esters, it possesses an outstanding wetting power allowing better parts finishings and longer tools lifetime. LUBA 21 contains 86% USDA certified biobased content

USE

Specifically designed for cutting, bending, punching, stamping operations. Highly suitable for sawing, drilling and threading operations. Recommended for light stamping.

TECHNICAL DATA

- Viscosity @ 40°C: 4-6 Cst
- 100% of "easily biodegradable" raw material (OECD 301)
- MPR : 86%



PACKING	REF	
20 L	JERRYCAN	LUBA25120
200 L	DRUM	LUBA251FT

LUBA 251

ECOFRIENDLY LUBRICANT FOR CUTTING AND LIGHT STAMPING OPERATIONS

DESCRIPTION

Cold forming chlorine-free fluid. Designed to replace solvanted oils and mineral based fluids. Made from vegetal synthetic esters, it possesses an outstanding wetting power allowing better parts finishings and longer tools lifetime.

USE

LUBA251 can be used on any material: aluminum, steel, stainless steel. It is suitable for any coldforming operations. can be applied by rollers, droplets, MQL systems.

TECHNICAL DATA

- Viscosity @ 40°C: 8-10 Cst
- 100% of "easily biodegradable" raw material (OECD 301)
- MPR : > 45%



PACKING	REF	
200 L	DRUM	LUBA40FT

LUBA 40

ECOFRIENDLY EXTREME PRESSURE LUBRICANT FOR CUTTING AND STAMPING OPERATIONS

DESCRIPTION

Cold forming chlorine-free fluid. Designed to replace solvanted oils and mineral based fluids. Made from vegetal synthetic esters, it possesses an outstanding wetting power allowing better parts finishings and longer tools lifetime.

USE

Specifically designed for severe stamping operations for any material: steel, stainless steel, aluminum and alloys. Suitable for threading, machining operations.

TECHNICAL DATA

- Viscosity @ 40°C: 6-10 Cst
- > 80% of "easily biodegradable" raw material (OECD 301B)
- RRM: > 70%



PACKING	REF	
20 L	JERRYCAN	LUBA5020
200 L	DRUM	LUBA50FT

LUBA 50

ECOFRIENDLY EXTREME PRESSURE LUBRICANT FOR DEEP-DRAWING OPERATIONS

DESCRIPTION

Cold forming chlorine-free fluid. Designed to replace solvanted oils and mineral based fluids. Made from vegetal synthetic esters, it possesses an outstanding wetting power allowing better parts finishings and longer tools lifetime.

USE

For deep-drawing operations on any materials: steel, stainless steel, aluminum, copper and their alloys (on copper, rinse off immediately). Suitable for threading and drilling operations on stainless steel and inconel.

TECHNICAL DATA

- Viscosity @ 40°C: 50 Cst
- > 70% of "easily biodegradable" raw material (OECD 301)
- RRM: > 55%



LUBA 200

EXTREME PRESSURE ECO-FRIENDLY LUBRICANT FOR DEEP-DRAWING OPERATIONS

DESCRIPTION

Cold forming synthetic vegetal ester based fluid. Designed to replaced chlorintated or high viscosisty mineral oils. Its wetting properties enables to improve parts finishings and tools lifetime.

USE

for deep-drawing operations on any material (even copper and alloys). can also be used for threading, drilling.

TECHNICAL DATA

- Viscosity @ 40°C: 200 Cst
- > 65% of "easily biodegradable" raw material (OECD 301)
- RRM: > 60%

PACKING		REF
200 L	DRUM	LUBA200FT_



LUBA 216 AL

EXTREME PRESSURE ECO-FRIENDLY LUBRICANT FOR CUTTING - STAMPING - ACCIDENTAL CONTACT WITH FOOD

DESCRIPTION

Fluid exclusively made from renewable ressources. V.O.C. Free. Odourless and non irritating.without risk of explosion, and without safety labelling. Silicone free. MOSH-MOAH and POSH free lubricant.

USE

For cutting, stamping and bending operation on all materials except annealed stainless steel. Highly recommended for cold forming operations in the agrofood industry, metalpackaging etc...

TECHNICAL DATA

- Operating Temperatures range:-20°C to 200°C
- Viscosity @ 40°C: 42-50 Cst
- Flash point: 290°C
- 100% of "easily biodegradable" raw material (OECD 301)
- Renewable raw material: > 80%

PACKING		REF
20 L	JERRYCAN	LUBA216AL20
200 L	DRUM	LUBA216ALFT



H VG

VEGETABLE OIL FOR DIRECT CONTACT

DESCRIPTION

Clean and general-purpose lubricant recommended for lubrication operation, cutting or light stamping in all fields of activities in the food industry. Free from silicone, allergens and GMO. Approved for the food industry- certified by the National Sanitation Foundation (NSF), which is based on the Food and Drug Administration's (FDA) class 3H, H1 requirements (Registration number 162091). This product is also acceptable for use as a release agent on grills, ovens, loaf pans, boning benches, chopping boards or other hard surfaces in contact with food. MOSH-MOAH and POSH free lubricant. HVG contains 100% USDA certified biobased content.

USE

For all stamping, drop-stamping, bending, medium to heavy thickness on all metals except hardened or tempered stainless steels. Product ideally recommended for all cold forming operations on metals, tin, packing, etc...

TECHNICAL DATA

- Viscosity @ 40°C: 40 Cts
- 100% of "easily biodegradable" raw material (OECD 301)
- RRM: 100%

PACKING		REF
20 L	JERRYCAN	HVG20_
200 L	DRUM	HVGFT



SOLUBLE OILS



SOLESTER 530

MICROEMULSION FOR ANY MATERIALS (EVEN COPPER AND ITS ALLOYS)

DESCRIPTION

Synthetic emulsion, from a blend of green chemicals and polyesters. Harmless to operators: no mineral oil, no VOC, no chlorine not CFC or formaldehyde. No hazardous labels or phrases. SOLESTER 530 contains 61% USDA certified biobased content.

USE

From 2% to 8% for any machining operation. 1% to 2% for grinding.

TECHNICAL DATA

- Viscosity @ 40°C: 20 cst

PACKING	REF	
5 L	JERRYCAN	SOLESTER5305L
20 L	JERRYCAN	SOLESTER53020
200 L	DRUM	SOLESTER530FT



SOLESTER 77

AQUEOUS FORMING FLUID

DESCRIPTION

Vegetable polymer based ready-to-use aqueous fluid, V.O.C free, non-flammable. Non hazardous (very safe for operators). Compatible with all types of metal, including copper and its alloys.

USE

Zinc-plated electro-galvanised steel profiling. Cutting and stamping without drawing out Stainless-steel rolling (manufacturing chimney sheaths). Manufacture of profiles of the gypsum panel type. Manufacture of vineyard posts

TECHNICAL DATA

- Flash point: 116°C
- RRM: 8%

PACKING	REF	
20 L	JERRYCAN	SOLESTER7720
200 L	DRUM	SOLESTER77FT



VG CUT 77

DRILLING AND TAPPING ECOFRIENDLY WATER-BASED LUBRICANT

DESCRIPTION

Ready-to-use aqueous fluid without V.O.C. non-flammable, V.O.C free Vegetable polymer-based. Odourless. No smoke emissions. Compatible with all types of metal, including copper and its alloys. Easy to degrease.

USE

For drilling and tapping.

TECHNICAL DATA

- non-flammable

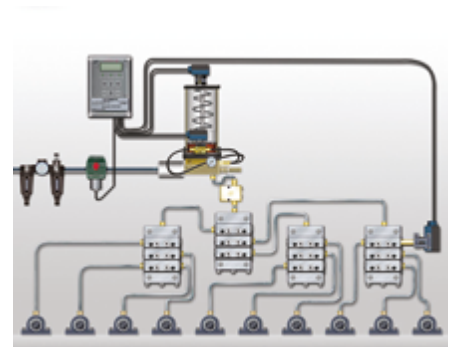
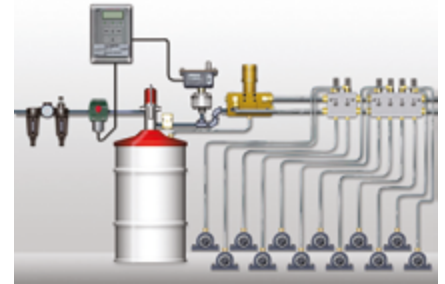
PACKING	REF	
650 ML	AEROSOL	VG CUT77A2



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

MASE
HAUTS-DE-FRANCE
AMÉLIORER LA PERFORMANCE SEE



A French company on a human scale engaged in certification and approval processes, MOLYDAL continues to consolidate its presence in Europe and pursue its development worldwide. The company's know-how has enabled it to offer a complete range of products and equipment intended for all business sectors (Metalwork, food industries, sugar industries, iron industry, granulation industry, plastic injection, automotive, energy, etc.), where certain approvals are sometimes required (PMUC, NSF, etc.).

THE 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 oil solutions.
- Innovation policy with the formulation and testing of the products of tomorrow by the integrated R&D laboratory.

THE MOLYDAL OBJECTIVES

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

THE MOLYDAL SERVICES

- Technical solutions to specific industrial problems: 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:



Molydal's Quality, Health, Safety and Environment management system is ISO 9001 and MASE certified, a guarantee of compliance with health, safety and environmental rules on our site and during on-site interventions.



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