

# ECO FRIENDLY RANGE

## Lubrication Solutions



### SECURITY

ENSURES OPERATORS' SAFETY ALL ALONG THE PROCESS

MAXIMUM USE OF RENEWABLE RESSOURCES

SIGNIFICANT REDUCTION OF CHEMICAL AND ENVIRONMENTAL RISKS



### COST REDUCTION

TECHNICAL PERFORMANCES COMPLYING WITH THE MOST DEMANDING APPLICATIONS

PRODUCTIVITY INCREASE

**COST**  
EFFECTIVE

REDUCTION OF MAINTENANCE COSTS

Aware of the role that each manufacturer must play today, MOLYDAL is completely committed to a development program of eco-designed products made using green chemistry, which respects people and their environment.

### 10 COMMITMENTS

- 1 | No product with a lower flashpoint than 100°C.
- 2 | No potentially dangerous products for the ozone.
- 3 | No N pictogram that means hazardous for the environment.
- 4 | No raw material included in the list of products subject to authorisation (to date). Otherwise, immediate information and proposal of a substitute.
- 5 | No raw materials:
  - CMR cat 1, cat 2, cat 3.
  - Formaldehyde and formol releaser.
  - Chlorine, ethylene-glycol, NMP.
  - Mineral oil.
- 6 | No VOC solvents.
- 7 | No PBT and vPvB substances (regulation (EU) No 213/2011).
- 8 | Indication of propellant gas on aerosols.
- 9 | Indication of the percentage of renewable raw materials in the products.
- 10 | Indication of biodegradability if necessary.



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

# Ecofriendly range

## BIODEGRADABLE GREASES



### GR BIO MULTI-PURPOSE GREASE

#### DESCRIPTION

Universal and biodegradable (80%) vegetable oil and synthetic ester based grease. Type of soap: Li-Ca reinforced with anti-corrosion additives. Very high stability at work and excellent adhesion. Good resistance to water washout.

#### USE

For all equipment used in a sensitive natural environment (e.g.: agriculture, forestry and green areas, locks, etc.). Shafts, axles, cardans, bearings, chains, bolts, nuts.

<b>CO<sup>2</sup></b> PROPELLANT	<b>LOAD</b> 285 Kg	<b>50 Kg</b>
<b>90%</b> RENEWABLE RAW MATERIAL	<b>OPERATING TEMPERATURE RANGE</b> +145°C -18°C	<b>400 g</b>
<b>80%</b> BIODEGRADABILITY	<b>GRADE NLGI</b> 2	<b>650 ml</b>

### GREEN LIFE ECO-LABELLED GREASE

#### DESCRIPTION

Renewable ester-based grease. Complies with the specifications of the European ECOLABEL. Without safety labelling. Better resistance to washout than conventional greases, allowing for longer intervals between greasing operations.

#### USE

To be used in the event that the product may be discharged into the natural environment. Forestry and agricultural machines. Construction and excavation machinery, mining production, motorisation of locks, cranes, etc., ...



<b>85%</b> RENEWABLE RAW MATERIAL	<b>LOAD</b> 240 Kg	<b>50 Kg</b>
<b>80%</b> BIODEGRADABILITY	<b>OPERATING TEMPERATURE RANGE</b> +100°C 30°C	<b>400 g</b>
	<b>GRADE NLGI</b> 2	

### LCH VG MoS<sub>2</sub> BASED ECOFRIENDLY GREASE

#### DESCRIPTION

Very tacky grease, highly resistant to severe water washout conditions.

#### USE

Suitable for any mechanisms heavily loaded and submitted to stresses and shocks, thanks to high quality EP and antiwear additives. reinforced with MoS<sub>2</sub>.



<b>70%</b> RRM	<b>LOAD</b> 400 Kg	<b>50 Kg / 180 Kg</b>
<b>63%</b> BIODEGRADABILITY	<b>OPERATING TEMPERATURE RANGE</b> +145°C -18°C	<b>5 L</b>
	<b>GRADE NLGI</b> 2	

## VOC-FREE PENETRATING OILS

### V 7 BIO LUBRICATING - PENETRATING OIL

#### DESCRIPTION

VOC-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.

**“This product complies with restrictive specifications whose main objective is to reduce the risks of negative impact on human health and the environment. The specifications compliances are regularly verified by the INERIS. The content and the surveillance procedures can be checked on our website: [www.molydal.com](http://www.molydal.com) “**



<b>CO<sup>2</sup></b> PROPELLANT	<b>96%</b> RRM	<b>5 L</b>
<b>&gt; 88°C</b> FLASH POINT		<b>650 ml</b>

### VG 5+ MULTI-PURPOSE LUBRICATING PENETRATING OIL

#### DESCRIPTION

Multi-purpose lubricating penetrating oil, VOC free, with a vegetable base. Very low surface tension. Corrosion protection. Water repellent. Deoxidant. Compatible with all types of metal.

#### USE

Storage of machined or cut pieces, protection of slides. protection of slides. Protection of moulds and foundry, glass-making, extrusion and cutting tools.



<b>BUTANE</b> PROPELLANT	<b>100%</b> RRM	<b>520 mL</b>
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## LUBRICANT FOR CHAINS AND CABLES



### 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. Creamy and adherent with good anti-wear qualities. Strong penetrative properties for homogeneous spreading of lubricant up to the centre of link shafts

#### 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.

CO <sup>2</sup> PROPELLANT	 200 L
100% RRM	 5 L / 20 L
+140°C -30°C OPERATING TEMPERATURE RANGE	 650 ml

## V.O.C.-FREE DEGREASING AGENTS



### KL 80 VOC FREE DEGREASING AGENT

#### DESCRIPTION

Safe cold degreasing agent for industrial use. VOC free Guaranteed free from halogenated solvents (chlorine, fluorine, bromine, etc.), aromatic compounds, HCFC and ethylene-glycol.

#### USE

For cleaning all types of mechanical parts (chains, lines, bearings, pinions, filters, etc.). Elimination of greases, oils and sludge. Temporary oil or wax protection.

0% RRM	 200 L
+88°C FLASH POINT	 5 L



### KL 9 H ECOFRIENDLY AQUEOUS DEGREASING CLEANER

#### DESCRIPTION

In aqueous phase, and ready for use. Renewable raw material-based. VOC free, petroleum-based solvent free, chlorine free, EDTA free, glycol free. Food contact: complies with the opinion of the French Agency for Food, Environmental and Occupational Health & Safety (ANSES) pertaining to the revision of the guidelines for evaluating the risks for humans of the constituents of cleaning products for materials and objects intended for contact with food products.

#### USE

Elimination of greases, oils and sludge. Temporary oil or wax protection in the food and agro-food industries. Can be sprayed, used in a tank, with a brush, with cloths, in floor washers and part-washers.

 InS Registered No: 17197506	 200 L
2% RRM	 20 L / 5 L
+100°C 0°C OPERATING TEMPERATURE RANGE	 70 lingettes
	 750 ml

### KL BIO ECOFRIENDLY BITUMEN AND TAR REMOVAL CLEANING AND DEGREASING AGENT

#### DESCRIPTION

Emulsifiable fluid, VOC free Comprised exclusively of renewable products (synergy of fatty acid esters of sunflower, coconut, etc.). Odourless and without safety labelling. Can be used pure and be rinsed off.

#### 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. Can also be used with water (3 to 50%) depending on the nature of the dirt to be removed.

«This product meets strict specifications that aim to reduce its negative impact on humans and the environment. Compliance with these specifications is checked periodically by INERIS; its content and methods for monitoring are available on the website: [www.molydal.com](http://www.molydal.com)»



CO <sup>2</sup> PROPELLANT	 200 L
96% RRM	 5 L / 20 L
>150°C FLASH POINT	 650 ml



### KL MOUSS DEGREASER - FOAMING - POWERFUL

#### DESCRIPTION

Its high solvation power gives KL MOUSS effective action on most hydrocarbons, greases and carbon compounds.

#### USE

Removal of carbon residue. Cleaning machine, machining, wire drawing ...  
Cleaning adhesive residue in aluminum molds.

134 A PROPELLANT	
5% RRM	 650 ml

# Ecofriendly range

## MACHINING FLUIDS



### VG CUT 77

#### ECOFRIENDLY AQUEOUS DRILLING/TAPPING LUBRICANT

##### DESCRIPTION

Ready-to-use inflammable aqueous fluid without VOC. non-flammable, VOC 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.

20%

RRM

PROTOXYDE D'AZOTE

PROPELLANT



650 ml

### SOLESTER 520/530

#### ECOFRIENDLY EMULSION

##### DESCRIPTION

Emulsion completely soluble in water, vegetable polymer-based. VOC free, mineral oil free, chlorine free, phosphorous free and sulphur free. Guaranteed secondary amine free, formol liberator free and heavy metal free. Can be used on all types of metals (ferrous, stainless steel, aluminium, and alloys). For use on copper, a subsequent degreasing is required.

##### USE

Effective protection against corrosion for parts, tools, and machines. All chip-removal operations. Machining, thread-cutting, tapping, drilling, deep drawing, turning, and milling of 2% to more than 10% in water, depending on difficulties and the extent of deformations. Mix at 1% for profiling galvanised parts and rectification of metals.

6%

RRM

VISCOSITY @ 40°C :  
20 CST



200 L



5 L / 20 L



## V.O.C.-FREE EVAPORABLE FLUIDS

### SOLESTER 77/95

#### AQUEOUS DEFORMING FLUID

##### DESCRIPTION

Vegetable polymer based ready-to-use aqueous fluid, VOC free, non-flammable. Without safety labelling (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

6%

RRM

77/  
VISCOSITY @ 40°C :  
2 CST

95/  
VISCOSITÉ @ 40°C :  
5 CST



60 L / 200 L



20 L



## NEAT OILS

### LUBA 216 AL

#### ECOFRIENDLY EXTREME PRESSURE FOOD LUBRICANT

##### DESCRIPTION

fluid exclusively made from renewable ressources. VOC Free. Odourless and non irritating, without risk of explosion, and without safety labelling. Silicone free.

##### USE

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



100%

RRM

VISCOSITY @40°C :  
42-50  
CST



200 L



20 L



### LUBA 20/25/160

#### ECOFRIENDLY EXTREME PRESSURE LUBRICANT

##### DESCRIPTION

Fluid comprised exclusively of renewable products, C.O.V. free. Odourless, without risk of explosion, and without safety labelling. Compatible with all materials: metals, plastics, elastomers, and rubber.

##### USE

For cutting and stamping. Application by spraying, drip feed, transfer via felt roller (roller line, etc.).

100%

RRM

LUBA 20  
VISCOSITY @40°C :  
5 CST

LUBA 25  
VISCOSITY @40°C :  
10 CST

LUBA 160  
VISCOSITY @40°C :  
530 CST



60 L / 200 L



5 L / 20 L

