ECO FRIENDLY RANGE Lubrication Solutions



SECURITY

ENSURES OPERATORS' SAFETY ALL ALONG THE PROCESS

MAXIMUM USE OF RENEWABLE RESSOURCES

SIGNIFICANT REDUCTION OF CHEMICAL

COST REDUCTION

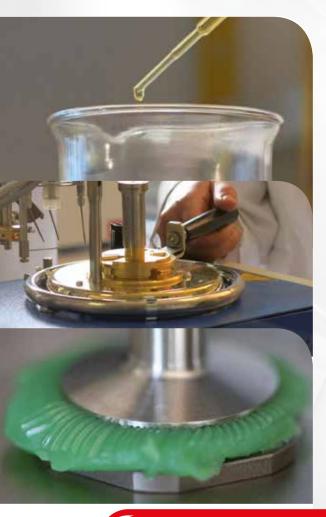
TECHNICAL PERFORMANCES COMPLYING WITH THE MOST DEMANDING APPLICATIONS

PRODUCTIVITY INCREASE



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.

MOLYDAL - ZAET 221 rue Paul Langevin 60740 SAINT MAXIMIN -FRANCE- Tél. : +33 (0)3 44 61 76 76 – Fax : +33 (0)3 44 25 17 78 www.molydal.com

The information shown in these sheets is given in good faith as being true and although every effort of verification has been made before use, we cannot accept responsibility for any inaccuracy. For further information, please contact us.

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.



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., ...



LCH VG

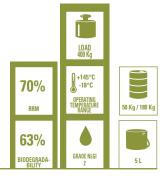
MoS2 BASED ECOFRIENDLY GREASE

DESCRIPTION

USE

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

Suitable for any mecansims heavily loaded and submitted to stresses and shocks, thanks to high quality EP and antiwear additives. reinforced with MoS₂.



PROPELLANT

96%

RRN

> 88°C

FLASH POINT

650 ml

PROPELLANT

90%

ENEWABLE RA

80%

85%

NEWABLE R

80%

LOAD 285 Kg

+145°C -18°C

OPERATING TEMPERATURE RANGE

GRADE NLG

LOAD

+100°C -30°C

OPERATING TEMPERATURI RANGE

GRADE NLG

50 Kg

400 a

650 m

50 Ka

400 g

VOC-FREE PENETRATING OILS



USE

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.

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 "



<u>VG 5+</u>

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.



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.

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.

<u>KL 9 H</u>

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.

l		
l		ι
ł		

JSE 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 partwashers.

KL BIO



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

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.

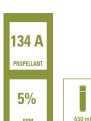
«This product meets strict specifications that aim to reduce its negative impact on humans and the environment. Compliance with these specifications is checked periodically by INERIS; its content and methods for monitoring are available on the website: www.molydal.com»



KL MOUSS DEGREASER - FOAMING - POWERFUL DESCRIPTION

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

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





0%

RRN

+88°C

FLASH POINT

2%

RRM

+ 100 °C

200 I

200 1

20 L / 5 I

0 lingette

750 ml

Ecofriendly range

MACHINING FLUIDS



<u>VG CUT 77</u>

ECOFRIENDLY AQUEOUS DRILLING/TAPPING LUBRICANT

DESCRIPTION

Ready-to-use inflammable aqueous fluid without VOC. non-flammable, VOC free Vegetable polymerbased. Odourless. No smoke emissions. Compatible with all types of metal, including copper and its alloys. Easy to degrease.

USE For drilling and tapping.

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.

V.O.C.-FREE EVAPORABLE FLUIDS



IOLYDA

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



NEAT OILS



100%

LUBA 20

VISCOSITY

@ 40°C

5 CST

I UBA 25

@40°C : 10 CST

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 recommanded for cold forming operations in the agrofood industry, metalpackaging etc...



60 L / 200 L

51/201



MOLYDA

LUBA 20/25/160 ECOFRIENDLY EXTREME PRESSURE LUBRICANT

DESCRIPTION

USE

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.

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



650 m

5 L/20

20%

RRM

ROTOXYDI

D'AZOTE

VISCOSITY

@ 40°C

20 CST

6%

RRM 77/