

PRODUCT Nº:1.046
 PRODUCT Nº:1.222

TECMALUB - ALM

LUBRICATING OIL FOR BEING USED IN FOODSTUFF INDUSTRY

CHARACTERISTICS:

TECMALUB-ALM is a totally clear, colourless, synthetic lubricating oil which after being submitted to the necessary refining processes, becomes completely free from aromatic hydrocarbons. That means a toxicity free product, with a high lubricating power and an excellent stability against environmental oxidation.

The special refining processes and the quality of the original lubricating oil, make possible that the final **TECMALUB-ALM** may fulfill the main European and American standards and regulations, such as **USP XXIII, DAB 1998, BP 93, CODEES 1990, CFR 172.878 , F.D.A.** among others.

The high lubricating power when applying a small amount of **TECMALUB-ALM** in systems and equipments, makes easier the movement of the moving parts since it reduces the friction rates of the materials giving as a result and improvement in the behaviour and less wear in elements and surfaces submitted to friction.

The most important standard physico-chemical characteristics of **TECMALUB-ALM** are:

<u>PARAMETRE</u>	<u>METHOD</u>	<u>VALUES</u>	<u>UNITS</u>
Kinematic viscosity	ASTM D-445	13,5 – 16,5	mm ² /s at 40 °C.
Dynamic viscosity	Calculation	20 – 25	mPa.s at 25 °C.
Refractive index	ASTM D-1218	1,462-1,468	at 20 °C.
Freezing point	ASTM D-97	<-9	°C.
Density	ASTM D-4052	0,840-0,852	Kg/m ³ at 20 °C.

USES:

TECMALUB-ALM due to its lack of toxicity, its high behaviour, lubricating and sliding power is especially recommended as lubricating oil for machinery and moving elements in general where it reduces friction rates between moving parts thus improving the behaviour and reducing wear.

Due to its special composition and its lack of toxicity **TECMALUB-ALM** is turned into the most recommended lubricating oil in industries where an oil with medicine quality and free from toxicity is required, such as: foodstuff conditioning and packaging industries (abattoirs, wine industries, bakers, meta processing); agroalimentary industries (selection, conditioning and packaging of fruits and vegetables); animal feedingstuff, pharmaceutical industries, dermatopharmacy, cosmetics, veterinary industries, etc.

Lubrication in moving elements, conveyor belts, machinery for packaging and transport in abattoirs, meta industries, packaging systems for drinks, fruit and vegetable selection, dough mixers, etc.

Since the product is completely free from silicones, it's recommended in un moulding plastics which could be in contact with foodstuff (always making previous tests)

Highly recommended in those operations for lubricating high precision devices and measure equipments, where it's required an oil which is white, odourless and stable to the environmental oxidation.

METHOD OF USE:

Apply pure, as it's supplied, directly in the places designed for the lubrication of the equipment, a small amount of **TECMALUB-ALM**

Depending on the application, it may be applied by spray or with suitable brushes, on belt bearings or moving elements where a reduction of the friction is required. Afterwards, it's necessary to spread **TECMALUB-ALM** over the whole area to be treated.

In dripping lubrication systems, place in the system container, previously checking that the viscosity of the lubricating agent is suitable for the system.

For applying our **TECMALUB-ALM AEROSOL**, shake the container before using and apply discontinuously with short sprays. For very concrete applications, spray **TECMALUB-ALM AEROSOL** at about 5-10 cm from the area to be lubricated. For less concrete applications, spray from about 15-20 cm and let the product spread over the area to be lubricated.

As a general idea, both bulk and aerosol, with a minimum amount of product it's enough for quite a few days of continuous work.

PRECAUTIONS:

Do not swallow. Keep out of the reach of children. Do not spray to the environment. In case of contact with eyes, wash immediately with plenty of water.

PACKAGING:

TECMALUB-ALM is supplied as follows:

Code 1.046 Cartons containing 12 or 24 650 cm³ aerosols each

Code 1.222 Bulk product, **10-25-30- 60** and **208** litres plastic containers

ADVANTAGES

- * Easy application.
- * High lubricating power.
- * It gets not oxidised or damaged
- * Medicine quality; toxicity free.
- * Colourless and odourless, does not stain or cause odours.

ED.2004/1