

# SILTEC

# M600

## SUPER HIGH PERFORMANCE LUBRICANT ANTI-FRICTION FOR OIL

### THE PROFESSIONAL RANGE

### LORRIES - CARS - MOTORBIKES - GO-KARTING

#### DESCRIPTION

M600 ECO is a super lubricant with high lubrication properties and high chemical and thermal stability.

M600 ECO is compatible with all mineral oils, detergents, and synthetic oils, as well as chlorinated hydrocarbons; only graphite oils are incompatible. M600 ECO achieves 93% thermal and mechanical efficiency.

M600 ECO is not an additive because it does not modify the molecular structure of oils.

M600 ECO does not pose a risk of loss of guarantee of your equipment.

Due to its molecular structure, M600 ECO cannot clog your filters.

Engine oils have a pull-out resistance of between 2 and 5 kg/mm<sup>2</sup>; with M600 ECO, pull-out resistance is 160 kg/mm<sup>2</sup>.

The thermal stability of oils is typically between 200° and 260°.

The thermal stability of oils with added M600 ECO is from -60° to +650°C.

The benefits of M600 ECO for your industrial applications.

Reduced friction coefficients on all surfaces covered in oil treated with M600 ECO.

Significantly reduced power loss of your industrial equipment through significantly reduced internal friction: thermal engines, compressors, casings, power transmission components, gear boxes, couplers, tool machine, treatment of static and hydrodynamic bearings.

Stabilisation due to reduced local warming phenomena (provided there is no irreversible local damage to mechanical components). Thermal and mechanical performance obtained is in the order of 93%.

Reduced noise emission from power transmissions.

Extended life of oil through permanent elimination of aqueous compounds.

Reduced maintenance costs: less wear and tear on components, less frequent oil changes.

Possible use as a super lubricant for metal cutting.

No risk of filter clogging.

#### AVANTAGES

**Why use M600 ECO when oils are increasingly more efficient?**

The best oil in the world is only efficient when it is present. It has been proven that 80% of engine wear and tear takes place during start-up. Complete pressurisation of an oil circuit requires 3 to 5 seconds.

During this time, metal/metal contact generates abrasion. M600 ECO provides a long-lasting local friction coefficient for parts in contact, thus reducing wear and tear and power loss.

- M600 ECO doubles the time period between oil changes.
- Significant anti-wear and tear properties of oils to be treated, hydrofuge.
- Prevention of overheating, over revving and jamming guaranteed.
- Considerable reduction in cooling of moving parts, subject to high loads and high pressures.
- Provides good lubrication in low and high temperatures.

#### INSTRUCTIONS

Shake the formula well to obtain perfect homogeneity.

Vehicle use:

Run the engine for 10 minutes before adding M600 ECO for the first time.

Engine treatment: add 2% of M600 ECO to oils depending on the case.

Doses can be doubled without any drawbacks for sport, competition and rally conditions: 4% of M600 ECO.

Please note that due to the efficiency of M600 ECO lubrication, you should not add it to an engine that has been running for more than 20 hours.

During this period, it is perfectly normal for a large amount of steam to appear (evaporation of traces of aqueous components in the oil).

Industrial use:

Incorporate after initial testing of industrial equipment (at least 50h of operation).

Incorporate M600 ECO in one go in the hot oil, ideally at the nominal operating temperature of the oil adapted to the equipment (90-100°).

Complete protection of surfaces takes place after 30 mins of operation. No need to increase the dose for a remedial treatment of local heating.

Dosing: 2% to be added to the oil.

Remedial mode: in the event of jamming, M600 ECO is used in its pure state. (Without oil)

M600 ECO treats all mechanical devices operating in severe conditions: air compressor, reducer, gear box, thermal engine, gas engine, combustion engine, etc.

You are strongly advised to use M600 ECO in mechanisms using friction forces such as oil bath clutches, automatic gear boxes, brakes and limited-slip differentials.

#### WARNINGS

For professional use. Consult the SDS (on request only).

The information in our brochures, letters, reviews and reports is provided to advise you especially regarding testing that has been carried out, with an ongoing concern for objectivity and without any commitment on our part.

#### PACKAGING

Cardboard box 24 x 100 ml

Cardboard box 4 x 5 L

Barrel 30-60-210L



[www.siltec-actalys.com](http://www.siltec-actalys.com)

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