

# MOLYBKOMBIN UMF T4 Spray

Air-drying, easy-to-apply lubricant based on MoS<sub>2</sub>



## Your benefits at a glance

- Good adhesion to metals for good wear protection
- Good wear protection due to high pressure resistance of the lubricant
- Increased operational reliability with clean and dry surfaces

## Your requirements - our solution

Due to increasing cost pressure, operators expect good temperature stability and reduced maintenance costs.

To decrease your operating costs, we developed MOLYBKOMBIN UMF T4 Spray. Our aim was to offer you an easy-to-use product, so it comes in a spray can for easy application.

MOLYBKOMBIN UMF T4 Spray is an air-drying, black lubricant based on molybdenum disulfide (MoS<sub>2</sub>), an organic binder and an inflammable solvent mixture.

MOLYBKOMBIN UMF T4 Spray is liquid and ready-to-use. Once applied and hardened, the lubricant shows good wetting of metal surfaces and is very resistant to pressure. Its dry lubricating film is suitable for use at temperatures up to approx. 450 °C.

## Application

MOLYBKOMBIN UMF T4 Spray is a friction and wear reducing lubricant for the lubrication of, for example, width screw spindles in textile stenter frames. The dry lubricant film prevents adhesion of lint and dirt to the metal surface, making maintenance and cleaning work easier while ensuring precise low-torque width adjustment of the threaded spindles for a long time. MOLYBKOMBIN UMF T4 Spray is also suitable as an assembly aid for bearings, bolts and screw connections and as running-in aid for plain bearings and sliding points.

Additionally, MOLYBKOMBIN UMF T4 Spray eliminates stick-slip on guideways.

## Hint

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.

Characteristics	MOLYBKOMBIN UMF T4 Spray
Article number	081005
Composition, binder	organic

MOLYBKOMBIN UMF T4 Spray is also used in metal forming, for example to protect against wear and to extend the lifetime of drawing and cutting tools, to impregnate diecasting moulds and to lubricate cores, ejector pins and moving mould parts in pressure and gravity diecasting machines.

## Application notes

Shake MOLYBKOMBIN UMF T4 Spray before use. The surfaces to be coated need to be free from oil, grease, water, corrosion and dirt.

Keep aerosol can vertical and spray in thin and uniform layers from a distance of approx. 20 cm. We recommend coating large surfaces crosswise.

MOLYBKOMBIN UMF T4 Spray contains an inflammable solvent mixture. Do not spray against naked flames or incandescent materials. Protect against direct sunlight and temperatures above 50°C.

If you wish to optimise the service life of your equipment or have any other questions regarding your application, our experts will be pleased to help you. Just contact us.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

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Characteristics	MOLYBKOMBIN UMF T4 Spray
Composition, propellant	dimethylether
Composition, solid lubricant	molybdenum disulphide
Composition, solvent	acetone
Colour space	black
Service temperature, lower limit	-40 °C
Service temperature, upper limit	450 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

## Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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