

FOODLUBE® Multipaste Spray

Food grade multipurpose lubricating spray



Nonfood Compounds
H1 Registered
ISO 21469 Certified
NSF 537 PFAS-Free Certified

Applications

FOODLUBE Multipaste Spray is a multi-purpose lubricating paste developed specifically for the food and pharmaceutical industries. It is specifically designed for wet, dirty and corrosive operating environments, and those subject to frequent wash out.

- Formulated to prevent wear and galling of moving parts
- Particularly suited to harsh environments including those subject to frequent chemical cleaning
- Multi-metal compatibility; including stainless steel and aluminium alloy components

Applications

- Open gears
- Lead screws
- Threads & Bushes
- Slides
- Fasteners / Anti seize
- Cutting compound

Usage & Storage Guidance

Shake well before use. Apply from a distance of 15-30 cm. Use only in well ventilated areas.

For best results as an anti-seize lubricant: Degrease fasteners, then apply as a thin layer to threads, nut and bolt faces, and washers (if used).

The storage temperature should be kept below +50°C, and the storage area should be out of direct sunlight. Shelf life is 4 years from date of manufacture.

Features and Benefits

- Excellent temperature resistance -30°C to +450°C minimum.
- Adhesive, lubricating paste for bushes, slides and small open gears operating in food, pharmaceutical and other clean environments.
- Economical in use - only requires a thin film for maximum performance.
- Extremely tenacious - resists water wash.
- Metal detectable plastic components (aerosol caps and actuators) capable of detection by most metal detection equipment.
- Extremely low chlorine and sulphur levels making it ideal for preventing pick up and seizure of stainless steel fasteners, particularly at elevated temperatures.
- Suitable for use with aluminium and its alloys.

Approvals and Certifications

- NSF H1 registered - 121613
- ISO 21469
- NSF 537 - PFAS Free
- Halal certified
- Kosher certified
- Vegan Society Certified
- ROCOL unique TPM number - 26
- Manufactured from only FDA listed ingredients: FDA Group 21 CFR 178.3570
- Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.

Pack Sizes

Part Code	Pack Size
15751	400 mL

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www.rocol.com

ROCOL A Division of ITW Limited

ROCOL House, Swillington, Leeds, LS26 8BS, UK

VAT Number: 742053167

Registered Company No: 00559693

Registered Office: Saxon House, 2-4 Victoria Street, Windsor, England, SL4 1EN



ISO 9001
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Management
Systems
CERTIFIED

AS/EN
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ISO 45001
Occupational
Health and Safety
Management
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Parameter	Test Method	Value
Appearance	Visual	Smooth white paste/liquid
Base type	N/A	Synthetic lubricant
Solids	N/A	White, non-toxic solids
Propellant	N/A	Hydrocarbon
Solvent	N/A	Hydrocarbon
Temperature range	N/A	-30 °C to +450 °C
Flash point (applied film)	ASTM D92	> 200 °C
Water solubility	N/A	Insoluble
Coefficient of friction	N/A	0.09
Approximate coverage	0.1mm film thickness	10 m ² /kg
Metal Detection;		
Aerosol cap	Equivalent sphere size	> 3.0 mm
Actuator	Equivalent sphere size	> 3.0 mm

Safety Datasheets

These are available at <https://www.rocol.com/datasheets>. For further assistance, please contact us via the ROCOL website or using the details below.

Note

The information in this Technical Datasheet is informed by our experience and feedback from industry. There are many variables outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Values quoted are typical and do not constitute a specification.

If you'd like to discuss the suitability of any ROCOL solution for your system, please get in touch.

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Torque Setting for Threaded Fasteners

When a thread compound is applied to a fastener that will be torque tightened, the torque setting will require adjustment to achieve the correct tension in the fastener. Correct torque settings can be calculated using the methods below.

The following parameters were derived from the tension-torsion relationship measured on M12 x 50mm setscrews with 1.75mm thread pitch, full nut and Form A washers. Fasteners were degreased and a thin layer of thread compound applied to threads, nut face and washers. Data are for fasteners at 90% rated yield stress:

Fastener Material	Coefficient of Friction (μ)	K-Factor
A2-70 Stainless Steel	0.200	0.25
8.8 Steel Plain Finish	0.153	0.20
8.8 Steel BZP	0.109	0.15
8.8 Steel Hot Dip Galvanised	0.121	0.16
Aluminium 6061	0.131	0.17

$$T = F \times \left[(0.159 \times P) + (0.577 \times d \times \mu) + (D_f \times \frac{\mu}{2}) \right]$$

T = Torque Applied (Nm)
 F = Tension Generated in Fastener (N)
 P = Thread Pitch (m)
 d = Pitch Diameter (m)
 D_f = Nut Friction Diameter (m)
 μ = Coefficient of Friction

$$T = K \times F \times D$$

T = Torque Applied (Nm)
 F = Tension Generated in Fastener (N)
 D = Nut Nominal Bolt Diameter (m)
 K = K-Factor

Many parameters affect the tension-torsion relationship of fasteners, including: Bolt geometry, surface finish, lubricant application method, joint material, torque application method, variation in fastener manufacture etc. Therefore, these parameters above are for guidance only, especially if a different material is used or if geometry is significantly different to M12. Any calculated values are a predictive tool and the final tension should be verified, especially in critical applications. These values do not constitute a specification.

For further guidance, please speak to your usual ROCOL contact or technical.lubricants@rocol.com.

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