



MOLYSPRAY

MOLYBDENUM DISULFIDE

DRY LUBRICANT

DESCRIPTION

MOLY SPRAY is a molybdenum disulfide powder in suspension in aerosol packaging. Used for the pre-treatment of all mechanisms and parts before assembling.

MOLY SPRAY works very well in extreme cold weather and dusty atmospheres.

APPLICATIONS

- Taps and compressed air bottles, including oxygen, as well as mechanisms and regulators and pipes fittings.
- Working static or dynamic mechanic parts which should not receive liquid or plastic lubricants. Mechanisms of automatic weapons.
- Mechanisms working in dusty environment, threaded or non-threaded assemblies to make later assembling and disassembling easier, suppressing contact rust. (Note that in the absence of air the product still remains efficient even if parts are subjected to temperatures close to 700° C).
- For easier assembling and strains reduction of cold fitted assemblies and various fitted assemblies. Various mechanisms subjected to important temperature variations making the use of liquid or plastic lubricants almost impossible.
- Dry lubrication of rotating or sliding joints out of synthetic materials, in particular on pneumatic servomechanisms not lubricated by standard processes.

PRODUCT BENEFITS

ANTI-WEAR TREATMENT:

- Preparation of metallic surfaces: makes running-in easier
- Reduces friction strains
- Avoids seizing-up
- Increases parts lifetime
- The film built does not create shimming, thus it does not cause a reduction of mechanical gaps

PROTECTION AGAINST CONTACT AND FRICTION RUST:

- Application significantly slows down and often eliminates “fretting” problems (various assemblies, bearings bushes, cones mounting, swinging joints, etc ...).

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APPROVALS

- Conforms to the M5A standards of Charbonnages de France (the French Coal Board).
- Approved by the aircraft industry FR no. 34593STA/SE/S5.
- Approved by the spacecraft industry PD 81600 : NATO S 749, US MIL L 23398 C.
- Approved by AIR LIQUIDE

PHYSICAL PROPERTIES

- Appearance..... Fluid liquid
- Colour..... Dark Grey
- Density @ 20°C (MoS2 powder)..... 0.76
- Operating temperature range..... -200° C to + 450° C (600°C in non-oxidizing atmosphere)
- Water solubility..... Insoluble
- Friction coefficient 0.03 – 0.06
- Particles Granulometry (Fisher Standard).... 96 % < 2 µ
- Standard ISO 787 IXI 4.9

Molybdenum disulfide powder of very high purity and with homogeneous granulometry

DIRECTIONS FOR USE

For optimum efficiency, surfaces to be sprayed must be thoroughly cleaned with a solvent and should not show any trace of oxidation. Shake well aerosol before use. Move the opening of the diffuser toward the surface to be treated and remain at a distance of 20 to 30 cm from the part. Press vertically on the diffuser. Spray very lightly avoiding excesses. Allow the film to dry. It becomes mat grey.

Note: do not spray on hot parts.

STORAGE & SAFETY

Store in a well ventilated area. Protect from heat.
Use in a well ventilated area. Keep away from all ignition source.

For further information, please consult the Materials Safety Data Sheet

PACKAGING

Aerosol 400ml x 12 (ref: O-0700-A4)

WARRANTY

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