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PRODUCT DATA

MS2 MOLY POWDER SPRAY

DESCRIPTION

This aerosol contains the solid lubricant molybdenum disulphide dispersed in a fast evaporating solvent to enable the user to spray a completely dry lubricating film onto any bearing surface. This blue grey layer is an extremely good lubricant that will not attract dust to form grinding paste and its ability to lubricate dry without a liquid film ensures lubrication areas where it is impossible to avoid contamination from dust, paper dust, cotton flock, milled grains etc.

TYPICAL SPECIFICATIONS

MoS2	To	Mil-M-7866 C
Temperature range		-185°C to 450°C in air and to 1100°C in absence of oxygen.
Coefficient of friction		0,02 - 0,08 depending on humidity temperature and pressure.
Particle size average		0,6 - 0,8 µm
Molecular weight		160,0
Density @ 20°C	g/cm ³	4,85
Crystal structure		Hexagonal D6, C:1,232 nm, @ 0,316nm
Hardness (Mhars)		1
Melting point		1600°C (30 bar)
Decomposition		± 1100°C (in vacuum or inert gas)
Thermal conductivity		0,13N/mK (40°C) 0,19 W/mmk (430°C)
Magnetic properties		diamagnetic
Type of conductor		P semi conductor
Electrical resistance		8,5 X 10° Ohms X cm
Solubility		Insoluble in water, diluted acidic and alkaline media and organic solvents, reacts with oxidizing substances (Hno3, Na2O2, etc)

Load

APPLICATIONS

- Bearing assembly.
- Dry lubricant for chains.
- First aid lubricant for scored surfaces.
- Textile machinery.
- Slides.
- Linkages, cables, Cams.
- Press fitting.
- Lubricated for life components.
- Run in lubricant.
- Stainless fastener anti seize.
- Deep drawing of various metals.
- Punching.
- Extrusion lubricant.
- Machining.
- Wire drawing.
- Spring lubricant.

LUBRICANT CHARACTERISTICS

Low coefficient of friction far less than mineral oils. Service temp range -185°C to 450°C and up to 1100°C in absence of oxygen.
Magnetic polar adhesion to surfaces.
Film strength in excess of the shear strength of most metals and alloys.
Resistant to most chemicals and solvents.

COMPOSITION

Molybdenum disulphide
Suspending agent
Non flammable solvent
Gas propellant

PACKAGING

400ml

1 700 4080

ADVANTAGES

- Wide temperature range -185°C to 400°C in air.
- Prevents stick slip.
- Run in new metal surfaces.
- Prevents galling and seizing.
- Reduces pressure required for press
- Prevents fretting corrosion.
- Lubricates cams, cam followers and reciprocating movements .

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