



McGEE INDUSTRIES, INC.
McLUBE DIVISION
 9 Crozerville Road
 Aston, Pennsylvania 19014
 Phone: 215-459-1890

Bulletin 150

McLUBE MoS₂-710 -- CHAIN AND INSTRUMENT LUBRICANT

MOLYBDENUM DISULFIDE (MOLY) DISPERSION IN A "SOLVENTIZED" OIL.

FOREWORD:

McLube MoS₂-710 has outstanding penetrating properties which make it particularly suitable for chain, and instrument lubrication. It FREES, CLEANS, and LUBRICATES as it penetrates the parts.

Unlike oil lubricants, McLube MoS₂-710 has two lubricating films instead of one, that is, the lubricating film of the oil, and the lubricating film of the "Moly" content.

Like any oil lubricant, the oil content of McLube MoS₂-710 can be squeezed out, but the "Moly" content cannot be squeezed out, so that the "Moly" film remains to lubricate even if the oil film disappears or undergoes degradation.

The "Moly" content of McLube MoS₂-710 prevents seizure and wear, and provides lubrication for exceptionally long periods -- up to ten times longer, or even more, than that provided by oil or grease.

With some movement of the parts, a large portion of the "solventized" oil content will evaporate, while the balance will be absorbed by the "Moly" content, thus preventing excess oil problems, and leaving the surfaces uniformly coated with the "Moly" film. The coating thus formed is essentially dry, so that dust is not attracted to the surfaces, as occurs with oil or grease, thus minimizing clogging and abrasion caused by dust and other foreign matter.

Since "Moly" is almost frictionless, its presence actually reduces the friction of the oil itself; and substantially less power is required to pull a unit that is lubricated with McLube MoS₂-710.

ECONOMICS:

McLube MoS₂-710 provides the user with substantial savings such as:

1. Materially extends the useful life of the parts (even indefinitely in some cases), through reduction of wear.
2. Improves operations, and reduces power input through reduction of friction.
3. Since McLube MoS₂-710 lasts for such a long time, less lubricant is required, and application costs are materially reduced. For example, in dusty newspaper operations, users find only 7 to 8 applications of McLube MoS₂-710 ANNUALLY are required to adequately lubricate their conveyor chains.

(OVER)

ECONOMICS continued:

4. McLube MoS₂-710 minimizes build-up, malfunctioning, breakdown, and loss from down time.

DILUTION:

Preferable to use McLube MoS₂-710 as is whenever possible, but if a lighter consistency is required, as for delicate instruments, it may be diluted to the desired consistency with penetrating oil.

USES:

- a. Chains of all types (both high and low speed), such as open conveyor chains, high speed roller chains, timing chains, etc., as well as springs, linkage, suspensions, etc.
- b. May be used as a GENERAL PURPOSE lubricant, being particularly suitable for instrument lubrication, used as is, or diluted, according to the requirement.

APPLICATION:

McLube MoS₂-710 is ready to use, but should be stirred from the bottom to an even consistency just before it is used, and restirred occasionally as a precaution against resettling of the solids content.

CAUTION:

1. For industrial use only.
2. Keep container tightly closed to prevent solvent evaporation.
3. Contains a combustible fluid:
 - °The flash point of this product is 138°F.
 - °Keep away from heat and open flame.
 - °Avoid prolonged breathing of vapor.
 - °Use with adequate ventilation.
 - °Avoid prolonged and repeated contact with skin.
4. Burning in an open flame or heating solids above 750°F in air may generate toxic fumes. When these conditions exist, positive mechanical venting of the fumes is recommended.
5. For those applications involving temperatures in excess of 250°F, it would be advisable to use McLube MoS₂-500 which is a companion product except it is made with a high temperature, non-carbonizing, synthetic oil.

AVAILABILITY:

McLube MoS₂-710 is available in 1 gallon cans and 5 gallon pails. Also available AS A DILUTED MATERIAL in 16-oz. aerosol spray cans (McLube MoS₂-722).

NOTE:

This information, based on our testing and experience, is offered without charge as a service to customers. It is intended for use by persons having technical skill, at their own discretion and risk. We do not guarantee favorable results, and assume no liability in connection with its use. This information is not intended as a license to operate under, or a recommendation to infringe, any patent of McGee Industries, Inc. or others covering any material or use.