



McGEE INDUSTRIES, INC.

McLUBE DIVISION

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McLUBE 1775

Bulletin 22

FLEXIBLE RELEASE, ANTI-STICK COATING AND DRY FILM LUBRICANT THAT IS UNAFFECTED BY CHEMICALS, SUCH AS ACIDS, ALKALIES, SALTS, SOLVENTS, AND OILS.

USES:

1. As a release coating on FLEXIBLE MANDRELS for the manufacture of rubber hose. Users report this coating serves to reduce ejection pressures by as much as 90%. Also, it prevents HOSE PITTING, and prevents sticking of the mandrel to itself. In some cases one application of McLube 1775 is adequate for the life of the mandrel, depending somewhat on composition of the mandrel.
2. As a long lasting lubricant for flexible mechanical rubber parts which are subjected to bending, twisting or inflating, with no detrimental effect on the lubricant coating.
3. For the lubrication of any type of surface exposed to chemicals, such as acids, alkalies, salts, solvents, and oils. Users report McLube 1775 has excellent adhesion to glass, ceramic, and metal surfaces, as well as to many plastics.
4. As an anti-stick coating for heat exchanger surfaces to prevent:
 - (a) Scale formation in evaporators and coolers.
 - (b) Waterside fouling in coolers and condensers.
 - (c) Accumulation of airborne dirt and debris in aircooled equipment.
5. As a release coating for DIPPING FORMS in latex. Users report McLube 1775 gives positive release for long periods on these forms, and without adversely affecting coagulant solutions.

CHARACTERISTICS:

- A. It is a one part system that is ready to use, and it has excellent shelf life.
- B. The coating is unaffected by any of the chemicals ordinarily encountered in industrial and commercial operations.
- C. The coating is flexible, and particularly suitable for application to flexible surfaces where cracking or chipping cannot be tolerated.
- D. The coating is almost frictionless, and practically nothing will stick to it. It is a very durable coating, and under some conditions may approximate permanent lubrication.
- E. The coating will air dry in a matter of minutes, and may be used in some cases as an "air dry coating", but for optimum performance, the coating should be baked on in accordance with curing cycles outlined in "IV" below.

(OVER)

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to provide industry with better product and service

APPLICATIONS:

- I. McLube 1775 contains finely dispersed solids which will settle out, thus making it necessary to stir before applying, and to restir occasionally as a precaution against settling.
- II. For best results, the surface to be coated should be dry and clean. Where coating adherence is critical, remove any oil, grease, fingerprints, wax or silicone residues before applying McLube 1775. Avoid, however, the use of naphtha, mineral spirits, "uncracked gas", "rubber gas", and similar solvents which tend to leave an invisible film of high boiling petroleum fractions.
- III. McLube 1775 may be applied by dipping, spraying or brushing. A light uniform coating will provide the best results. Where the coating is sprayed on, make sure the spray wets the surface.
- IV. Any of the following heat curing cycles will be effective for perfecting the bond as a baked-on coating:

400°F for 12 minutes
375°F for 18 minutes
350°F for 28 minutes
325°F for 40 minutes
300°F for 60 minutes.

CAUTION:

- a. For industrial use only.
- b. Solvent mix is volatile and highly flammable:
 - ° Keep away from open flame and heated surfaces.
 - ° Avoid prolonged breathing of vapor.
 - ° Use with adequate ventilation.
 - ° Avoid prolonged or repeated contact with skin.
- c. Solids content harmless even if ingested. When burned in open flame (as a lighted cigarette) or heated over 400°F fumes can be generated which may be harmful. Therefore, do not smoke while using, and wash hands before smoking. When temperatures above 400°F are involved, positive mechanical venting of the fumes is recommended.
- d. Keep container tightly closed when not in use to prevent solvent evaporation.

AVAILABILITY:

McLube 1775 is available in 1 gallon cans and 5 gallon pails.

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.