



VOC-FREE PUMP FLUSH & ISO EATER

VOC-Free Single Component Liquid  
Pump Flush & Iso Eater

TECHNICAL DATA

MFP-1

## 1. Product Name

**M-FLUSH**

## 2. Manufacturer

**METZGER/MCGUIRE**

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## 3. Product Description

### Composition

**M-Flush** is a VOC-free, single component liquid polymer specifically designed for maintaining and flushing of dual-component pump dispensing systems. It can also be used to remove cured material buildup on equipment, tools and pump parts.

## 4. Basic Use

Note: Prior to use, always check with the individual pump manufacturer for their specific maintenance and cleaning recommendations. The following are general guidelines and are not intended to supersede or replace any cleaning recommendations made by a pump manufacturer. Please see technical bulletin T-19 for more information.

When used as a flush, all remaining joint filler material/polymer within the pumping system must first be dispensed followed by an initial oil/storage fluid rinse to push out residual joint filler material/polymer. **M-Flush** should then be added to the pumping system and allowed to dwell within the system for 10-20 minutes. After the dwell period, **M-Flush** should be completely dispensed from the pumping system and replaced with storage oil or fluid as recommended by the specific pump manufacturer. For pumps fitted with grease zerk fittings, lubrication should be performed at this time.

When used as a cleaner, **M-Flush** should be allowed to sit within the pump system for several hours or longer (typically 8-24 hours). After dwell time, complete disassembly of the pumping components should be performed to remove all traces of softened material and contamination. Components can then be re-assembled. A repeat flush, as outlined above, should then be performed.

**CAUTION:** When using to soak individual parts or as a pump system cleaner, **M-Flush** will soften built-up contaminants after long periods of saturation or dwell. It is imperative that complete disassembly and manual cleaning of the system components be performed prior to next pump use. **Warning:** Disregarding this step may lead to an off-ratio pumping condition, as dislodged or partially softened materials may cause pump clogging, hose or line restriction, and/or blockage of the dispensing wand manifold assembly.

## 5. Limitations

**M-Flush** should not be used with certain vulcanized rubber gaskets and o-rings, as swelling may occur.

**M-Flush** is intended for the cleaning and flushing of pumping equipment, and should never be used as a hand cleaner, or as an alternate cleaner for anything other than the intended purpose of the product.

**M-Flush** is not intended to replace the need for proper pump cleaning and maintenance, nor should it be expected to restore pump metering ratio or operational performance.

## 6. Advantages

- Contains no VOC's
- Low odor
- Can be used to flush polyureas, polyurethanes, and epoxies
- Can be used for both parts and tank cleaning
- Can be re-used when properly strained of contaminants and kept sealed from air/moisture exposure
- Will not damage PTFE or Teflon seals and gaskets
- Low evaporation rate

## 7. Color and Packaging

**M-Flush** is a thin amber liquid. **M-Flush** is available in 1 US gallon units and 5 US gallon pails.

## 8. Shelf life and Storage

**M-Flush** is suitable for use for 1 year in unopened containers. Store in cool, dry area away from excessive heat or freeze/thaw and out of direct sunlight.

## 9. Safety

**M-Flush** is for industrial use only. Use only in well ventilated areas. As with all solvents and industrial chemicals, practice all appropriate safety precautions. Clear work area, NIOSH-approved hand gloves (butyl or neoprene recommended), eye and face protection, etc.. Thoroughly read and understand appropriate product SDS and instructions prior to using material.

## 10. Warranty

Due to variations in usage, pump dispensing systems, and in filler/sealant materials, Metzger/McGuire cannot warrant this product for individual or specific use. Suitability for use or application must be solely determined by the user.



Customer Service - (800) 223-MM80 - Technical Assistance

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REVISED 05/16