

# Medical-Grade Mold Release



The MRM Mold Release is a silicone-free formulation for fast, precise shots with minimum build-up on the tooling

- **Non-Silicone Formulation**
- **Paintable**
- **High-Purity Medical-Grade Ingredients**
- **Fast-Drying for Quick Cycles**
- **Exceptionally Smooth Coatings**
- **Solventless Formulation for Maximum Plastic Compatibility**

### General Information

The MRM Medical-Grade Mold Release delivers smooth, even coatings for maximum throughput from the molding process. It is a safe, economical and reliable coating which minimizes build-up on the molds. It also is an excellent choice because it helps balance complex process, safety and environmental trade-offs.

### About the Product

The MRM aerosol is a solventless refined hydrocarbon-based mold release made with crystal clear white mineral oils. It

specifically has been engineered as a release for molding applications that produce packaging and plastics for medical products. The thin, highly viscous lubricating film enhances the shaping of fine details. The product lays out very quickly, which speeds shot cycles and will not affect plastics as other mold releases, some of which use aggressive solvents, have often done.

The MRM material is a paintable release agent selected when secondary processes involve inks, paints, adhesives or colors. While recommended for injection molding, it also is suitable for stamping, vacuum-forming, RIM, compression, extrusion, casting and lay-up operations. Plastic-compatibility is excellent. It is compatible with most thermoform and thermoset materials such as plastics, resins, acetyls, melamines, methacrylates, nylons, PE, polycarbonate, polypropylene, polystyrene, polyurethane, silicone, and natural and synthetic rubbers.

The canister nozzle is engineered to dispense a finely-atomized, even mist. This thin barrier of release agent increases productivity with faster mold cycle times and fewer rejects.

### Technical Details

Chemical Family	Mineral Oil Based
Appearance	Clear, Colorless Liquid
Aroma	Slight, Ethereal
Certification	Medical-Grade Mineral Oil Hydrocarbon, per 21CFR172.878 and 21CFR172.880
Evaporation	>1 (Ether = 1)
Safety Rating	Nonflammable, per ASTM methods for aerosols
NFPA	Health: 1; Fire: 2; Reactivity: 1
Ozone Impact	Zero

This product has been tested on a wide variety of substrates. No major incompatibilities were observed. Test before prolonged use.

### Packaging

Aerosol 12 oz. / 340 g #MCC-MRM01

Packaged in cases of twelve (12) cans per box. Shelf life is unlimited. MSDS sheets are available from MicroCare or on the web.

### Related Products

MicroCare also offers an all-purpose mold release and a food-grade mold release, as well as a dry-film lubricant and mold release, **VDX Dry Lubricant Spray**.

For cleaning molds, MicroCare recommends an exceptional light degreaser and silicone cleaner, **VeriClean™**, which speeds the removal of silicone deposits without toxic or environmentally hazardous compounds.

Other products include the **TidyPen®** to remove labels, tapes and adhesives, Precision Optical Cleaner for cleaning lenses and photonic devices, and lint-free wipes for almost every cleaning environment.

### Product Notes

**AVAILABILITY.** This product is available from MicroCare distributors world-wide. Find your local distributor at [www.MicroCare.com](http://www.MicroCare.com).

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