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Release Innovation™

PRODUCT DATA

## Mono-Coat® E179 N-ODS Semi-Permanent Release

Mono-Coat® E179 N-ODS is a solvent-based release system that provides low transfer of release agent, high-temperature stability and abrasion resistance of the release film. This product can be cured at room temperature or by heat cure methods. Mono-Coat® E179 N-ODS contains no Ozone Depleting Substances (ODS). Mono-Coat® E179 N-ODS adheres to the mold surface and produces multiple releases with low transfer to molded parts and leaves virtually no buildup on molds, when applied according to instructions.

### Typical Properties

Appearance	Clear liquid
Density, lbs/gal; kg/l	6.44/ 0.77
Flash Point, °F/°C	58/14
Storage Stability, unopened	6 months

### Application

Mono-Coat® E179 N-ODS can be applied to either a hot or a cold mold. For best results, product should be cured on the mold at 200°F/93°C or the molding temperature (whichever is higher) to achieve the maximum number of releases per application. If room temperature cure is desired, allow a minimum of one hour for film hardening.

1. Thoroughly clean the mold with a suitable solvent or detergent to remove the previous release agent or other contamination. Wipe dry with a clean cloth or towel. Then wipe with a clean solvent or naphtha and let air dry.
2. To pre-treat or condition the clean mold, apply Mono-Coat® E179 N-ODS in a well-ventilated area. Apply at least three, uniform, thin coats and allow 5-10 minutes between applications for air drying of each coat. A short baking of the conditioned mold (10-15 minutes) at 200°F/93°C or the molding temperature (whichever is higher) will improve the durability of the Mono-Coat® E179 N-ODS film and will provide the maximum number of releases per application.
3. a) If spraying, use conventional spray equipment and hold spray tip 4-10"/10-25 cm from mold surface. Use a light, even spray.  
b) If wiping the mold, use a clean, lint-free, cotton cloth. Only a thin, wet film is required and because Mono-Coat® E179 N-ODS dries rapidly, care should be taken to avoid taken to avoid reapplying

- release agent over areas already covered. As with spray application, apply at least three, uniform, thin coats and allow 5-10 minutes between applications. Cure as recommended above. Begin molding.
4. Reapply a light coat of the Mono-Coat® when required, to maintain desired release. To prevent buildup, avoid over-application.

### Storage

Since Mono-Coat® E179 N-ODS is a flammable material, caution should be taken when handling this product. Do not store at temperatures above 100°F/38°C. Keep container tightly sealed to prevent evaporation and/or moisture contamination.

### Handling

We believe Mono-Coat® E179 N-ODS has a low degree of hazard when used as intended. For more information, request a copy of Chem-Trend's Material Safety Data Sheet.

### Packaging

Mono-Coat® E179 N-ODS is available in 1-gallon, 5-gallon (20-liter) and 55-gallon (208-liter) containers.

While the technical information and suggestions for use contained herein are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.

### Further Information

Request information on our complete range of materials: custom-formulated release agents for polyurethane molding; tire lubes and bladder coatings; Mono-Coat® semi-permanent release coatings; aerosol formulations; mold cleaners and sealers; specialized coatings and application equipment.