3M™ Prep Solvent-70 Cleaner: A Stronger Alternative to Isopropyl Alcohol and Water for Many Difficult to Clean Surfaces

Prep Solvent-70 Cleaner is a microencapsulated water-based cleaning solution that can be evaluated as an alternative to the typically suggested isopropyl alcohol and water mix, 50% each, when greater contamination, oil or grime is encountered. Prep Solvent-70 Cleaner has been shown effective when cleaning surfaces contaminated with oil, silicones, and mold release agents.

Benefits

- Higher ultimate adhesion on substrates that contain heavy grime, oil, silicones or mold releases than when using isopropyl alcohol/water solution.
- Less effort required than when using isopropyl alcohol/water.
- Effective on most bare metals and steel, stainless steel, and painted metals.
- Compatible with 3M™ VHB™ Acrylic Foam Tapes.

Note: This cleaner contains greater than 250 g/l of volatile organic carbons (VOC). Less water, less exempt solvents. Please contact your local Air Quality Regulation to be sure the cleaner is compliant.

Testing

Extremely oily metal and silicone contamination can be difficult to clean with isopropyl alcohol/water. The following are test results on stamped metal which underwent a very oily stamping process and panels that were contaminated with silicone release agents.
**Suggested Cleaning Procedures**

Apply 3M™ Prep Solvent-70 Cleaner to the surface to be cleaned, either directly or soaking a clean rag or paper towel. Rub vigorously in a scrubbing manner to lift and remove contaminants. Turn rag or paper towel a few times. Rub until most of the Prep Solvent-70 Cleaner has either soaked into the rag or towel and or water has evaporated. Return to give a final “buff” and dry with a new clean paper towel or rag. The surface must be completely dry. The cleaned and dry surface should be ready to accept 3M™ VHB™ tape.

Effectiveness of Prep Solvent-70 Cleaner when cleaning a heavy grimy or oily surface can be verified prior to tape application by giving a second round of cleaning with Prep Solvent-70 Cleaner or another solvent. If properly cleaned, little to no grime or oil will be evident on a new rag or paper towel upon this second application.

Since this solution is 85% water, please keep from freezing. If the solution has been exposed to freezing temperatures, a vigorous shaking is suggested because freezing might induce some separation.

**Note:** Prep Solvent-70 Cleaner has been evaluated on various materials, but we cannot guarantee it will work on all materials.

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