



TECHNICAL BULLETIN
PolyGone™ 535
SILICONE EMULSIFIER

DESCRIPTION: PolyGone 535 is a high performance sealant emulsifier designed to remove industrial silicone, novalak resin, rosin, acrylics, and other sealants from a variety of surfaces including some composites where a water rinse is not desirable.

CHEMISTRY: PolyGone 535 is a proprietary formulation designed to penetrate, break down, and emulsify tenacious sealants. Once broken down, the sealant is suspended to prevent redeposition and enable easy rinsing.

APPLICATION: PolyGone 535 is intended for use at room temperature (68°F-80°F). It may be sprayed or used in immersion-based cleaning systems. Heat (120°F/49°C) and/or agitation, including ultrasonic, is not necessary, but will significantly enhance performance. The agitation removes the digested sealant and exposes underlying layers to fresh PolyGone 535. However, do not use a sparging system, as this will quickly deactivate the material. PolyGone 535 must be used at full strength. Dilution and excessive heat, above 120°F will deteriorate the material. RPM Technology recommends using PolyGone 535 in a well-ventilated area and in a covered cleaning apparatus to prevent product evaporation.

RINSE: PolyGone 535 is NOT compatible with water. Rinsing must be done with methanol, IPA, or acetone.

COMPATIBILITY PolyGone 535 is compatible with most metals. The formulation is non-ionic and non-reactive. Metals such as Cu, Fe, Zn, and Ti have been tested with PolyGone 535 with no detected metal loss. However, PolyGone 535 does react with aluminum on the micro-scale and many types of polymers and plastics. Polyvinyl chloride (PVC), polyvinyl alcohol, and similar plastics should not be treated with PolyGone 535. Many elastomers are also not recommended. RPM Technology recommends the following plastics for application and storage, Polypropylene, Poly Olefin, Polyethylene (low and high density), Teflon, and Butyl Rubber. Testing is necessary to demonstrate full compatibility.

PPE: Recommend personal protective equipment (PPE) includes safety glasses/goggles and nitrile or butyl rubber gloves. Aprons may be used to protect clothing. *Do not* use gloves made from latex or vinyl.

TOXICITY: PolyGone 535 contains a blend of polar organics. PolyGone 535 has a low inherent toxicity and at diluted levels, is essentially non-toxic to aquatic life. The material is readily biodegradable and does not bioaccumulate.

STORAGE: PolyGone 535 must be stored in a cool and dry environment away from light and incompatible materials. The recommended storage temperature is between 50°F-80°F (10°C-27°C). Under these conditions, unopened containers of PolyGone 535 have a 1-year shelf life.

DISPOSAL: PolyGone contains no halogenated, reactive, or other EPA regulated components. Conformance with Federal, State, and Local disposal regulations is required. Diluted PolyGone can be disposed of by discharge to a sewage treatment plant with prior approval. Used PolyGone may need to be disposed of as organic solvent waste depending on the sealants and contaminants removed. PolyGone has a high BTU value and waste can be managed through a fuels-blending program.

AVAILABILITY: PolyGone 535 is available in individual poly gallons, 4x1 gallon cases, and 55-gallon poly drums.

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