



TECHNICAL BULLETIN
PolyGone[®] 305 Gel
INDUSTRIAL GRADE POLYSULFIDE EMULSIFIER

DESCRIPTION: PolyGone 305 Gel is a high performance Industrial Grade sealant emulsifier in gel form designed to remove polysulfide and other sealants from a variety of surfaces and geometries.

CHEMISTRY: PolyGone 305 Gel 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 305 Gel is for use at room temperature (68°F-80°F). Apply the gel using an acid brush or plastic spatula onto the target area. Periodic agitation (every 30 minutes) is required to remove the digested sealant and exposes underlying layers to fresh PolyGone 305 Gel. Repeat this until the surface is free of sealant. The gel must be used at full strength. Dilution will deactivate the emulsifier. However, you may thin the gel if necessary with liquid PolyGone 305 for your particular application. The unused portion may be resealed in the container and stored in a cool dark place.

RINSE: For large areas, a lint-free cloth is recommended to remove the bulk of the product. PolyGone 305 Gel is water-soluble. Although pure water may be used to rinse the product, rinsing with a low surfactanated emulsifier such as eOx[®], also available from RPM Technology, will improve rinsing via a "sheeting" effect, reduce sealant redeposition, and reduce water usage. In cases where water is not preferred, a compatible solvent such as IPA or acetone may be used.

COMPATIBILITY: PolyGone 305 Gel is metal-friendly. The formulation is non-ionic and non-reactive. Metals such as Cu, Fe, Al, Zn, and Ti have been tested with PolyGone 305 Gel with no detected metal loss. However, PolyGone 305 Gel attacks many types of polymers and plastics. Polyvinyl chloride (PVC), polyvinyl alcohol, and similar plastics should not be treated with PolyGone 305 Gel. 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 305 Gel contains a blend of polar organics and a gelling agent. PolyGone 305 Gel 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 305 Gel 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 305 Gel have a 1-year shelf life. Securing the container cap extends the life of the unused PolyGone; although the length of time the material will remain active cannot be guaranteed.

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 305 Gel is available in individual 6-oz. poly containers, 12 x 6-oz. cases, and 5-lb poly buckets.

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