



Instructions for Polysulfide Sealant Removal Using PolyGone® 300-AG Liquid or Gel

- 1) PolyGone 300-AG fully removes cured polysulfide sealant (PRC, Flamemaster, and A.C. Tech) material from aircraft structures and components. PolyGone 300-AG is available in both liquid and gel formulations. The liquid product is designed for parts that can be immersed in the liquid such as, fasteners, clecos, and access panels. The gel is suited for parts that cannot be immersed, vertical surfaces, inverted surfaces, or while inside a fuel tank. **Note:** Before using PolyGone 300-AG, consult the MSDS for proper personal protective equipment. See the Technical Data Sheet for additional information.
- 2) **CAUTION: Avoid contact with non-stretched acrylic transparencies due to potential crazing. Avoid contact with painted surfaces. PolyGone may have a negative effect on painted surfaces depending on the age, type, and manufacturer of the paint.**
- 3) To clean small components i.e. fasteners and clecos, fill a suitable container with PolyGone 300-AG and completely immerse the component(s) until the sealant is digested. To enhance the performance of the PolyGone, RPM recommends a gentle agitation while soaking. Once the parts are clean, they can be rinsed with eOx AC (see Step 6) and dried. The eOx AC is a surfactanated cleaner that quickly breaks down the PolyGone for easy rinsing. If your operation requires cleaning large amounts of small parts, please contact RPM Technology for additional information on large-scale cleaning operations. **Note:** To extend the life of the PolyGone, the vessel must remain covered at all times.
- 4) To remove sealant from larger parts or to remove sealant inside the fuel tank, apply PolyGone 300-AG Gel directly and liberally onto the cured sealant using a stiff non-metallic brush. See photo at right.
- 5) Agitate the Gel with the non-metallic brush every 30-45 minutes until the sealant can be wiped away. Reapply PolyGone 300-AG Gel after 4 hours of dwell time. The dwell time for PolyGone 300-AG Gel depends on the thickness and type of polysulfide sealant. When complete, remove all traces of PolyGone 300-AG Gel by rinsing the area with eOx AC (see Step 6).
- 6) If necessary repeat steps 3 and 4 to ensure all polysulfide sealant material is removed.
- 7) Alternatively, the Gel can be liberally applied and left overnight. The Gel will continue break down the polysulfide sealant. This method will not break it down to wipe away like the hourly stirring method, but the sealant will be sufficiently compromised to enable it to be scrapped away with significantly less effort.
- 8) **eOx AC (Aircraft Cleaner)** is a water based, non-toxic, cleaning agent that removes uncured polysulfide, silicone, grease, oil, brake dust, "blue" stains, mastics, and carbon. eOx AC is the complementing product that removes all residues of PolyGone 300-AG and



Properly applied gel

polysulfide sealants after applying PolyGone 300-AG. **Note:** Before using eOx AC, consult the MSDS for proper personal protective equipment.

- 9) Smaller parts may be rinsed via a separate rinse tank, or by being sprayed and wiped dry using an approved lint free cloth. To remove traces of the PolyGone Gel and sealant, apply eOx AC by spraying directly onto the area and wiping dry. **CAUTION:** Initially avoid all contact with transparencies due to possible crazing since some active PolyGone may exist and react with the transparency.
- 10) For general cleanup after applying polysulfide sealant, eOx AC can be used to clean tooling and sealant containers as needed prior to the sealant curing.
- 11) **PolyWipes** - Are lint free wipes that are impregnated with a water-based cleaning agent. PolyWipes are packaged in a convenient 150-wipe resealable tub container. PolyWipes are non-toxic, non-hazardous and are safe for removal of uncured polysulfide sealants and silicone on aircraft structure/components, tooling, and hands. **Note:** Before using PolyWipes, consult the MSDS for proper personal protective equipment.
- 12) Before using the PolyWipes, thoroughly saturate wipes by shaking tub before opening. Open the container, pull out a wipe, and tear at the perforation.
- 13) To remove the uncured polysulfide sealant or silicon, place a wipe between you thumb and index finger. Place the wiper over the sealant and while pressing down flick your hand over the surface and up. Fold the wiper on itself and repeat until the surface is free of sealant residue.
- 14) **Storage:** Keep unused PolyGone 300-AG, PolyGone 300-AG Gel, eOx AC, and PolyWipes in their original containers. Tightly close all containers and store them in a cool, dry, well-ventilated area. The products are not classified as hazardous and do not require storage in a hazardous cabinet. For material in a cleaning tank, make sure the cover is in place when not in use.
- 15) **Disposal:** Since the PolyGone is contaminated with polysulfide, we recommend disposal with other hazardous solvents. However, your local environmental representative can advise you based on local regulations.
- 16) Available package sizes:
 - a) PolyGone 300-AG: 1-gallon poly, 4 x 1-gallon case, and 55-gallon steel drum
 - b) PolyGone 300-AG Gel: 6-oz. poly container, 12 x 6-oz. case, 5-pound poly bucket
 - c) eOx AC: 1-quart poly, 12 x 1-quart case, 1-gallon poly, 4 x 1-gallon case, 60-gallon poly drum
 - d) PolyWipes: 150 wipes per tub
- 17) Please direct any questions or comments regarding any of these products or application procedures to:

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