

Handling of Cured Somos® Stereolithography Resins

Every material comes with a safety data sheet (SDS) to provide you with information to properly handle that specific liquid stereolithography resin. While there are risks of skin sensitization, these can be easily prevented with good housekeeping, good hygiene and use of personal protective equipment (PPE).

SDS information is not provided for cured stereolithography resins since material suppliers do not control the quality or condition of the final part. Factors that affect the safe handling of cured parts are generally related to post-cure and include:

- Handling printed parts prior to rinsing and post-cure
- Inadequate post-cure
- Trapped liquid resin within the part, which can later leach to the surface or drain out

Each SDS provides information specific to that material regarding the proper handling of stereolithography parts. If a part is not fully cured, the same skin sensitization issues exist as with liquid resin. In the case, PPE in the form of disposable gloves are highly recommended until full post-cure is achieved. If a part is fully cured, then no special precautions are required.

Covestro takes precautions to avoid the use of any raw materials that could endanger its customers through normal or anticipated use of **Somos®** products, including the use of or processing of cured parts.

Covestro avoids the use of crystalline silica fillers and instead utilizes amorphous silica. Inhaled crystalline silica (via sanding dust, etc.) is a known carcinogen.

Post processing (sanding, drilling, cutting, etc.) of printed parts made with any stereolithography resin requires the same PPE (protective goggles, dust mask, etc.) that are recommended when performing these processes on other materials including wood, metal, plastic, etc.

If you have specific questions regarding a particular resin, please contact your local Covestro representative or submit your question to our Technical team on our website [am.covestro.com](https://www.am.covestro.com)



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¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

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