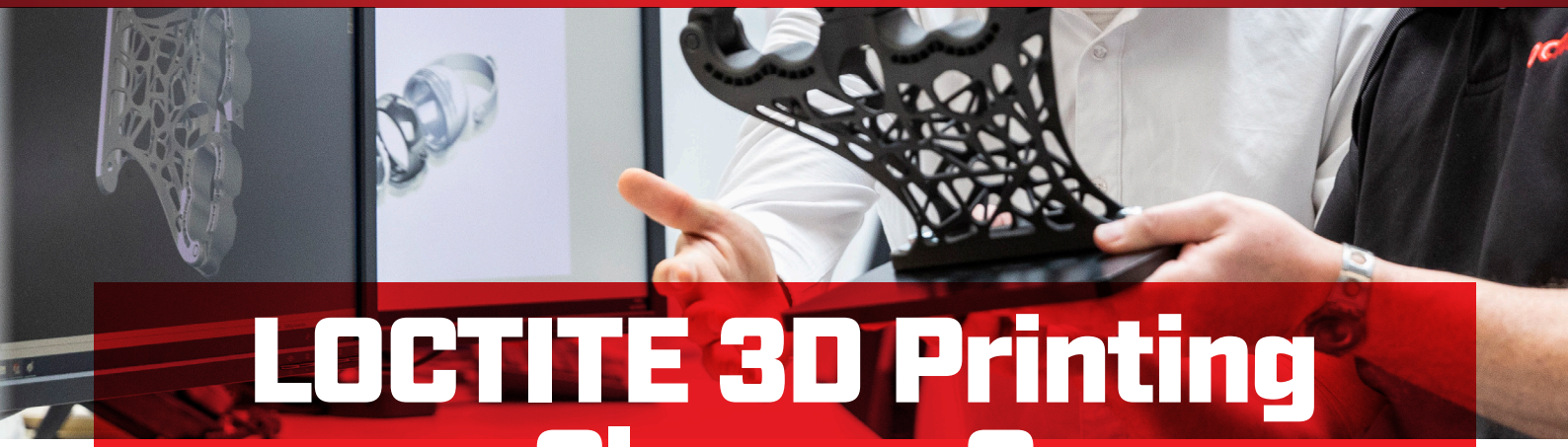
LOCTITE®



LOCTITE 3D Printing Cleaner C

LOCTITE 3D Printing Cleaner C

Looking for a greener-non-IPA solution for cleaning 3D printed parts?

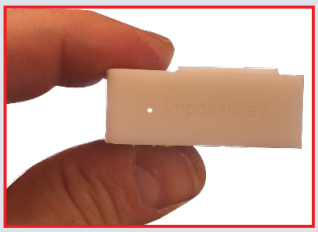
LOCTITE 3D Printing Cleaner C is a non-flammable cleaner at ambient temperature with flashpoint of 75°C intended for post-process cleaning of SLA/DLP printed parts.

Additional benefits:

- Cleans “impossible” parts like lattice structures
- Effectively solubilizes 3D printing resins like LOCTITE 3D 3840
- Water rinseable
- Does not damage ‘green’ or cured parts when used as recommended

Why not to use IPA anymore?

- Isopropyl alcohol, propan-2-ol or commonly called as IPA is highly flammable and can easily ignite. This calls for infrastructure like explosive proof environment and sufficient ventilation.
- Regular use or inhaling can cause harmful health effects.
- The use of IPA compromises the flexibility to use the cleaner on different materials or an accidental spill.
- Isopropyl alcohol doesn’t only dilute the resin, giving the appearance of cleaning, but becomes saturated very quickly. This will cause it to be ineffective, leaving residual resin on the part.



It’s a challenge to clean excess resin on small details of SLA/ DLP parts. For details as small as 1mm, deep tubes or complex structural parts can be cleaned with Cleaner C.

Sustainability is not just about today. Care for the future.

IPA

LOCTITE 3D Printing Cleaner C is non- flammable at room temperature and eliminates the need for explosion proof infrastructure.

LOCTITE 3D Printing Cleaner C dissolves more than 15 % of the resin whereas IPA dissolves only less than 10%.

LOCTITE 3D Printing Cleaner C

LOCTITE 3D Printing Cleaner C offers a superior cleaning, safe and sustainable solution. IPA cleaned 3D printed parts can show surface cracks and tackiness.

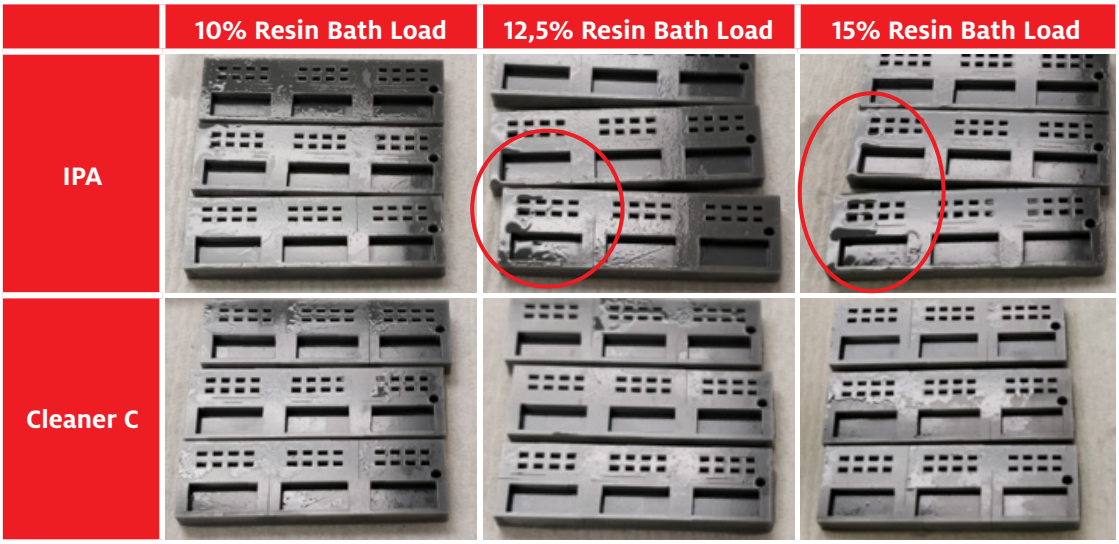
LOCTITE 3D Printing Cleaner C is a non-hazardous cleaner safe for environment and do not compromise the performance or safety of workers

LOCTITE 3D Printing Cleaner C is stable for operation at higher temperatures upto 50°C whereas IPA is flammable at room temperature.

Henkel

Cleaning Performance - IPA vs Cleaner C

After each wash, the concentration of dissolved resin in the bath increases and, after a certain number of wash cycles. The resin diluted in cleaner solvent can coat the surface of printed parts making them tacky. IPA cleaned part depict some structural changes in the part at high resin concentration of more than 10% in the bath load. Whereas part cleaned with Cleaner C depicts good cleaning performance more than 15% of the resin concentration in the bath. Cleaner C can be used for longer wash cycles when compared to IPA.



Post Processing – Resin Cleaning (DLP/SLA Printed parts)

Resin Cleaner Solvent & Washer Equipment

LOCTITE 3D Printing Cleaner C

NEW

- High cleaning performance
- Available in pack sizes 18kg/195kg
- Cleans most resins in 5 - 10 minutes
- Rinse with DI water for 2 - 5 minutes

LOCTITE 3D Printing EQ DW11 Dual Wash

NEW

Parts Cleaning Steps DW11 Cleaning

- **Resin Cleaning:** Fill DW11 1st tank with Cleaner C, clean 5 – 10 minutes depending on part geometry and resin type.
- **Agitation design:** 3 minutes CW/CCW intervals for better cleaning
- **Rinse:** Fill DW11 2nd tank with Deionized water and rinse for 2 – 5 minutes
- Hold 3D Printed Parts with Build Head or in the cleaning basket for cleaning

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