

Application Note

GPC-R-114**Description product**

The General Purpose Cleaner **GPC-R-114** is a non-flammable solvent based cleaning liquid that is designed to be used in manual cleaning applications. It dissolves Post soldering Flux residues and will evaporate quickly leaving non visible residues on the substrates.

The product is mainly used for removing flux residues after manual soldering.

Receiving and storage

The cleaner is packed in a 237ml aerosol, 3 liter container or 187 liter drum.

The shelf-life of Cobar cleaners is best guaranteed at temperatures below 20 °C and a relative humidity below 70%. The shelf-life for this product is 5 years (as long as it is stored in a sealed container). Older batches should be used prior to new batches. The badge age can be identified by the expiry date on the label on the packaging.

Operating conditions

GPC-R-114 General Purpose Cleaner can be used in different applications:

- Manual cleaning using Aerosol
- Manual cleaning without Aerosol

For Cleaning with **GPC-R-114 Aerosol** follow the guidelines in order to achieve optimum cleaning results.

1. Always keep the Spray can in a vertical position when applying the **GPC-R-114** with the aerosol. Adjust the position of the substrate accordingly. Not following this guidance will lead to loss of pressure and early spray stopping.
2. Spray an amount of **GPC-R-114** on the substrate that has to be cleaned, make sure all the residues are wetted by the cleaner.
3. Use a brush to gently scrub the residues that needs to be removed.

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4. Adding small amounts of cleaner during the scrubbing will improve dissolving the residues.
5. After complete dissolving of the residues the cleaner including dissolved residues are still on the substrate and need to be removed by using the **GPC-R-114** as a rinsing solvent.
6. Hold both **GPC-R-114** and substrate in vertical position and spray an amount of **GPC-R-114** on the substrate so it will drip off.
7. The cleaner has a chemical solvent system that will evaporate quickly without any residues, optionally one can use compressed air.

For Cleaning with **GPC-R-114 Bulk** follow the guidelines in order to achieve optimum cleaning results.

1. Apply (for instance with a dispenser or a brush) an amount of **GPC-R-114** on the substrate that has to be cleaned, make sure all the residues are wetted by the cleaner.
2. Use an individual brush (brush1) to gently scrub the residues that needs to be removed.
3. Adding small amounts of cleaner during the scrubbing will improve dissolving the residues.
4. After complete dissolving of the residues the cleaner including dissolved residues are still on the substrate and need to be removed.
5. Hold the substrate in a vertical position and apply an amount of **GPC-R-114** on the substrate. Brush it off using a different clean brush (brush2).
6. The cleaner has a chemical solvent system that will evaporate quickly without any residues.

Residues

When used in a proper cleaning application following the guidelines the **GPC-R-114** removes all post solder flux residues leaving visible very clean substrates.

Material compatibility

This Cobar cleaner is compatible with metals like, Stainless Steel (304 and 316), Aluminum, Copper, Cast Iron, etc. **GPC-R-114** has proven compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes.

GPC-R-114 is compatible with most plastics and elastomers. It is not recommended in combination with

- Acrylics
- Polycarbonate resin
- Polystyrene
- Polyester
- Rubbers
- Neoprene
- And CPVC

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For a more detailed list or specific materials contact Cobar Europe B.V.

Disposal

Verify with the local environmental legislation how the cleaning material should be disposed according to the local regulations.

Disclaimer:

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