



Remover PG

Description

Remover PG is a proprietary NMP based solvent stripper designed for efficient and complete removal of PMGI, PMMA, SU-8, and other resist films on Si, SiO₂, GaAs, and many other substrate surfaces. It may also be used as a lift-off solvent.

Benefits

- Compatible with automated lift-off equipment
- Clean, scum-free removal
- Universal remover/stripper for removal of all resist films
- Room temperature processing
- No chlorinated or fluorinated hydrocarbons

Compatible With

- PMGI & LOR
- PMMA & copolymer
- SU-8
- g-Line, i-Line and DUV resists

Instructions for Use

Remover PG is supplied ready to use. Do not dilute.

When used in immersion mode, a two-bath system is recommended to reduce the possibility of redeposition of removed resist. The first bath removes the bulk of the resist and the second cleaner bath removes remaining traces of material. When the first stripping bath has become spent/loaded with resist, it can be replaced with the second 'drag-out' bath to increase bath yield. Remover baths should be changed when removal rate drops significantly and may be measured by the number of wafers processed. A third water miscible solvent (e.g. IPA) bath serves as a final solvent rinse prior to DI (deionized) water rinse and dry.

Action	Temperature	Product
1 st Bath	Ambient to 50-80°C	Remover PG
2 nd Bath	Ambient to 50-80°C	Remover PG
3 rd Bath	Ambient	Iso-Propyl Alcohol (IPA)
Rinse	Ambient	Water

Table 1. Removal Stages

Bath Operating Temperature

To improve stripping performance, Remover PG may be used at operating temperatures well above ambient with caution. Since the flash point of Remover PG is 88°C, closed cup, it may be used at temperatures up to approximately 80°C using routine caution regarding combustible liquids. Users should consult their safety department as to the safest method of heating.

**Agitation**

Mechanical or ultrasonic agitation will enhance physical transport of swollen/dissolved resist away from the substrate.

Time

Removal time will naturally depend on the environment the resist has seen previously.

Rinse and Dry

An IPA (isopropyl alcohol) rinse may be necessary prior to a DI (deionized) water rinse to avoid potential residue. Dry in a rinser/dryer or by N₂ blow dry.

Storage

Store upright in original sealed containers in a dry area between 4°C and 27°C (40-80°F). Keep away from sources of ignition, light, heat, oxidants, acids and reducers. Do not use product after the expiration date (13 months from date of manufacture).

Disposal

The material and its container must be disposed in accordance with all local, state, federal and/or international regulations.

Handling

Consult Safety Data Sheet (SDS) for details on the handling procedures and product hazards prior to use. If you have any questions regarding handling precautions or product hazards, please email productsafety@kayakuAM.com.

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