



MICROPOSIT™ REMOVER 1165

For Post-etch Applications

Regional Product Availability

- North America
- Europe, Middle East and Africa
- Latin America
- Asia-Pacific

Description

MICROPOSIT Remover 1165 is a high-quality Dow Electronic Materials product for stripping positive photoresist from sensitive substrates. It requires no intermediate rinse and is fully miscible in water. It can be used in either wet bench or spray tool applications.

Product Data

Color: Clear, slightly white
Flash Point: 88°C (190°F), closed cup
Boiling Point: 202°C (396°F)

Consult material safety data sheet (MSDS) for a complete listing of physical properties, handling, storage and disposal.

Clean out and Tank Rinse

Sacrificial rinse with MICROPOSIT Remover 1165 is recommended to wet all surfaces and components of the processor tool.

General Precautionary Steps

- 1) All wafers, boats and other apparatus should be dry prior to entering MICROPOSIT Remover 1165 tank. This eliminates possible bath contamination which may lead to corrosion or reduced performance.
- 2) MICROPOSIT Remover 1165 is compatible with organic solvent waste drains.

Typical Processing Conditions

The operating temperature and process times may be adjusted for specific conditions and individual applications. A two-tank system should be used. Each tank will contain the heated stripper. The wafers will travel from tank one, then to tank two, followed by the rinse step.

Tank Construction: Stainless steel, Teflon™ fluoropolymer or quartz

Bath Temperature: 75–80°C (167–176°F)

Process Time: 10–40 minutes

Rinse: Ambient DI water rinse or IPA

Typical Total Loss from Etch for 20 min. Process @ 75°C

Metals*	Total Angstrom loss
Al	<1
Ti	<1
W	<1
Oxides**	
TOx	<1
PETEOS	<1
BPSG	<1

*Film metal thickness measured by four point probe

**Oxide film thickness measured by Nanospec measurement system

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Material
Compatibility

Compatible Materials

Stainless Steel 304
Stainless Steel 316
Pyrex or Vycor™ glass
Quartz
Teflon FEP
Teflon PTFE
Kalrez™
Teflon Encapsulated O-ring

Incompatible Materials

EPDM
PVC
PVDF
Viton™
Buna-N

Handling Precautions

Before using this product, associated generic chemicals or the analytical reagents required for its control, consult the supplier's Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on material hazards, recommended handling precautions and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Electronic Materials Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

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