



VECTOR HTR

ADDITIVE FOR POST-LAP/POLISH RINSE AND IN-PROCESS WET STORAGE OF SUBSTRATES

VECTOR HTR is a synthetic formulation developed for the rinsing and wet storage of lapped/polished substrates. Used as directed, VECTOR HTR minimizes scratching from in-process handling; protects substrates from staining; and prevents hard-to-clean particles from adhering to the substrate surface for more effective downstream cleaning. Also recommended for the rinsing/washing of lapping plates, VECTOR HTR removes process debris from both the plate's surface and grooves, thereby preventing the formation of iron oxide/abrasive particle aggregates that can dislodge and cause scratching. When used for rinsing/washing polishing pads, VECTOR HTR prevents staining; increases pad life by keeping the pore structure open; and reduces the frequency of pad conditioning.

Benefits:

- *Highly economical* when used as directed
- Reduces scratching due to plate/pad contamination
- Minimizes scratching from in-process handling
- Prevents staining
- Facilitates downstream cleaning processes
- Minimizes plate/pad cleaning and maintenance

Directions:

VECTOR HTR is used at dilutions ranging from 2% to 3%, depending on the condition and type of lapping equipment and the wafers. The product is evaluated at 2% with deionized (DI) or tap water. It is fed into the rinse line and flooded over the lapping surface either before the wafers are placed on the plate, or after lapping has been completed. Manufacturers with stringent quality control standards use it both pre- and post-lapping.

After the lapping plate has lifted, VECTOR HTR should be flooded over the surface. This breaks the surface tension between the wafers and the plate, and removes any remaining contamination, which could cause scratching and complicate handling. Wafers can then be removed, re-rinsed and stored in a 2% HTR bath.

For polishing applications follow the same dilution guidelines.

Additional Information:

VECTOR Products are available in 5-gallon pails and 55-gallon drums, F.O.B. Bethel, Connecticut, and also include grinding fluids, sawing fluids, suspension agents for lapping/polishing slurries, and ultrasonic/megasonic detergents. Material Safety Data Sheets available upon request.

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