



## TENSOR DG7 SERIES

### DETERGENTS FOR BACK-END PROCESSING OF DEVICES AND PACKAGING

---

TENSOR DG7 Series Products are aqueous detergents formulated to facilitate the removal of organic and inorganic films, combinations of films, particles and debris from the surface of wafers, devices and packaging post-processing. When the correct TENSOR DG7 Series Product is selected, corrosion/oxidation of metal interconnects is eliminated. Designed to be mixed with DI water at between 2% and 5%, these detergents result in extremely safe, economical and environmentally sensitive solutions to difficult cleaning problems. TENSOR DG7 Series Products may be used in processes employing passivation rinses, brush cleaning, spray cleaning, ultrasonic and megasonic cleaning (heated or unheated). The products may be used in combination with existing cleans to make them more robust. TENSOR DG7 Series applications include post-singulation, post-thinning, rinsing after post-ash/etch solvent clean, post-CMP and wherever surfaces need to be cleaned or rinsed prior to the additional processing.

#### **Benefits:**

- Superior ability to wet surfaces
- Lifts attached particles from surfaces
- Cleans organic films
- Non BTA based corrosion/oxidation inhibition
- Free rinsing - leaves no film or residue
- Fully compatible with metal interconnect structures and packaging
- Safe and economical to use
- PH of diluted products ~7
- Extremely biodegradable

#### **Directions:**

It is recommended that evaluation of TENSOR DG7 Series Products begin at a dilution of 4% mixed with deionized (DI) water. The type and degree of residue to be removed varies from process to process and these factors will ultimately determine specific use instructions. Other factors to consider include wafer/die/package exposure time, temperature and equipment.

#### **Additional Information:**

Intersurface Dynamics manufactures 3 product lines, TENSOR, VECTOR and CHALLENGE Series Products. Visit our web site at [www.isurface.com](http://www.isurface.com) for more information.

**Manufactured by: Intersurface Dynamics, Inc.,  
21 Clarke Circle, P.O. Box 181, Bethel, CT 06801  
Tel 203-778-9995 • Fax 203-778-4659 • Email: [admin@isurface.com](mailto:admin@isurface.com)  
An ISO 9001:2008 Registered Company**