

# Technical Data Sheet



## Ferro CMP Products for Post CMP Cleans

With our UWIZ product line we offer a wide range of aqueous slurries that achieve optimal metal CMP removal rates, resulting in decreased cost of ownership and increased productivity using existing equipment and space.

### GC 14210 – Post Copper CMP Cleans

#### **DESCRIPTION**

The GC 14210 series is an advanced cleaner for post copper CMP which combines excellent cleaning performance with maximum copper surface protection. The formulation is free of surfactants and free of TMAH. The product is highly dilutable and offers a very broad POU dilution.

We offer a wide range of cerium oxide aqueous slurries that achieve optimal dielectric CMP oxide removal rates, resulting in decreased cost of ownership and increased productivity using existing equipment and space. Tightly controlled particle distribution and LPCs (large particle counts) ensure low-defectivity polishing.

#### **FEATURES AND BENEFITS**

- Alkaline formulation
- TMAH Free.
- Surfactant Free.
- Excellent copper surface protection.
- Highly dilutable
- Wide process window

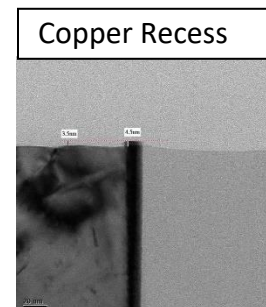
#### **TYPICAL PHYSICAL PROPERTIES:**

- Appearance ..... Liquid
- pH ..... ~12
- Density ..... 1.01

## GC 14210

### Performance

CRITERIA	GC14210
ROUGHNESS (Å)	~5
DER (Å)	~5
DEFECT COUNTS (BW'S)	0.18
BTA RESIDUE (CU/BTA NORMALIZED)	Low
COPPER RECESS (Å)	15 - 30
CORROSION RATE (MMPY)	0.068



- **Packaging:** 2.5 Gallon container, 55 gallon drum, 330 gallon tote
- **Freezing:** For best performance avoid freezing of product.
- **Cautions:** Refer to Safety Data Sheet

#### Limitation of Warranty and Liability

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