



SPECIALTY CHEMICALS / FIXED ABRASIVE WIRE SLICING COOLANT

# AmberCut™ DWC-25



AmberCut™ DWC-25 is a synthetic, wire slice coolant specifically formulated for the cutting of sapphire, germanium, single crystal SiC™ and II-VI crystals, using a fixed abrasive wire. It provides excellent cut rates and imparts outstanding surface finishes with reduced warp and TTV. AmberCut™ DWC-25 offers superior dispersion of kerf particles and cooling of the cut zone. Additionally, coolants made with AmberCut™ DWC-25 exhibit extended use life allowing the slicing of multiple ingots while maintaining consistent performance properties. This unique formula is biodegradable, water rinseable and will not leave films or residues.

## TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, light yellow liquid
Specific gravity, 20°C	1.04
Lbs/gallon	8.65
pH (concentrate)	8.80
Surface Tension @20°C, dynes/cm	32.0
Conductivity @20°C, mS/cm	1.18 (5% in deionized water)
Flash point	>300°F (TCC) Non-Combustible
Water Solubility	Soluble in all proportions

## RECOMMENDED PROCESS PARAMETERS

AmberCut™ DWC-25 should be diluted with water to a concentration of 2% to 4%. Deionized water use is recommended, but lower grades can be used including municipal or tap water. Lower water grades must be filtered to <1 micron. All water sources should be treated to minimize bio-contamination. Consult your Saint-Gobain representative for more detailed recommendations.

## AVAILABLE PACKAGING

55 gallon drums, 5 gallon pails, 1 gallon containers

## Saint-Gobain Surface Conditioning

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## FEATURES AND BENEFITS

- Provides excellent cut rates and outstanding surface finishes
- Superior particle dispersion
- Reduced warp and TTV
- Biodegradable and poses no environmental or health risks
- Minimal contamination of parts
- Water rinsability facilitates cleaning

## SURFACE CONDITIONING

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