



SPECIALTY CHEMICALS / HIGH PERFORMANCE CERAMIC CLEANER

AmberClean™ 527D



AmberClean 527D is a biodegradable, aqueous cleaner that does not contain volatile organic compounds (VOCs) or ozone depleting chemicals (ODCs). It is specifically formulated to remove and disperse ceramic fines and process contaminants from sapphire, quartz, glass and other ceramic and crystal surfaces. Additionally, the surfactant technology employed by AmberClean 527D is designed to cut through and remove silica, alumina, ceria, diamond and silicon carbide slurries and process chemicals from substrates without leaving films or residues. AmberClean 527D is formulated for dilution with deionized water and can be used in immersion tanks, ultrasonic tanks and contact cleaning systems, in addition to spray cleaning equipment.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, amber liquid
Specific gravity, 20°C	1.12
Lbs/gallon	9.29
pH (concentrate)	11.5
Surface tension @ 20°C, 1% in DI water	28.7 dynes/cm
Flash point	None

RECOMMENDED PROCESS PARAMETERS

AmberClean 527D can be diluted with deionized water to a concentration of 1.0% - 5.0% v/v, depending on the application and cleaning requirements. AmberClean 527D can be used at temperatures from ambient to 65°C. A minimum temperature of 40°C is recommended for controlled applications. Generally, cleaning performance is doubled, or cleaning time halved, for a 10°C increase in cleaner temperature. Ultrasonic cleaning is strongly recommended to effectively remove sub 1µ particle contamination.

AVAILABLE PACKAGING

Bulk, 55 gallon drums, 5 gallon pails, 1 gallon containers

Saint-Gobain Surface Conditioning

4905 East Hunter Avenue, Anaheim, CA 92807

Tel: 714-701-3900 Fax: 714-701-3912

surfaceconditioning.saint-gobain.com

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FEATURES AND BENEFITS

- Very low foaming for spray, scrub and ultrasonic cleaning applications
- Effectively cleans and disperses silica, alumina, ceria and diamond particles
- Rinses easily without leaving films or residues
- Non-aggressive toward ceramic and other fabricated substrates
- Biodegradable and poses no environmental or health risks
- Formulated to minimize corrosive ion contamination

SURFACE CONDITIONING

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