



SPECIALTY CHEMICALS / WATER TREATMENT FOR SOLAR CLEANING

AmberClean™ Solar GS-1C



AmberClean™ SOLAR GS-1C is a biodegradable, aqueous glass cleaner designed for the cleaning of silicon and thin film solar panels. AmberClean™ SOLAR GS-1C uses high performance dispersants specifically designed to remove dust, dirt, carbon and other debris from glass surfaces, and contains no volatile organic compounds (VOCs). AmberClean™ SOLAR GS-1C's unique chemistry allows the use of hard water (municipal tap water or well water) to clean as effectively as deionized water. The ability to use municipal water in place of deionized water can lead to considerable cost savings. Unlike conventional detergents, AmberClean™ SOLAR GS-1 does not leave behind soapy residues which require rinsing. This leads to a considerable reduction in water usage.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, amber liquid
Specific gravity, 20°C	1.31
Lbs/gallon	10.93
pH (1%)	11.0
Viscosity (23°C)	30mPaS
Flash Point	None

RECOMMENDED PROCESS PARAMETERS

AmberClean SOLAR GS-1C should be diluted with water to a concentration of 0.2% to 1.5% (depending on local water hardness).

Note: AmberClean GS-1C may cause the panel surface to have a slight film that dissipates over a few days. This appearance is purely cosmetic and does not reduce panel output.

AVAILABLE PACKAGING

55 gallon drums, 5 gallon pails, 1 gallon containers

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FEATURES AND BENEFITS

- Cleans organic and inorganic residues effectively
- Does not contain hazardous solvents (no VOCs)
- Biodegradable and poses no environmental or health risks
- Allows use of hard water to clean as effectively as deionized water
- Will not leave harmful films or residues
- Non-silicate and safe to use

SURFACE CONDITIONING

