

# CHEMTRONICS<sup>®</sup>

## Technical Data Sheet

TDS # CWF8

### Chemask<sup>®</sup> WF Solder Masking Agent

#### PRODUCT DESCRIPTION

Chemask<sup>®</sup> WF Solder Masking Agent is water soluble and designed to be removed with most aqueous cleaning systems. Chemask<sup>®</sup> WF Solder Masking Agent contains high temperature compounds that protect component-free areas from solder during wave soldering. This water soluble formulation is stable to rosin, organic and inorganic fluxes.

- Protects boards from molten solder to 515°F (268°C)
- Compatible with most flux types
- Leaves no corrosive residue
- Non-contaminating
- UV detectable

#### TYPICAL APPLICATIONS

During wave soldering, Chemask<sup>®</sup> WF Solder Masking Agent protects:

- Component Free Areas
- Gold Connectors
- Gold Fingers
- Pin Connectors

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Base Material</b>	Synthetic Resin
<b>Color</b>	Tan
<b>Solvent Stability</b>	Dissolves in water with or without detergent
<b>Flux Compatibility</b>	Aqueous Flux
<b>Temperature Stability</b>	515°F (268°C)
<b>Tack-Free Drying Time (10 mils @ 77°F)</b>	30 min.
<b>Cure Time (10 mils @ 77°F)</b>	1 hr.
<b>Viscosity (@ 77°F) (± 300 cps)</b>	9,000 cps
<b>Viscosity Adjusted With</b>	DI Water
<b>Contains UV Indicator</b>	Yes
<b>Solids Content</b>	~ 40%
<b>Flash Point</b>	Nonflammable
<b>Weight/Gallon</b>	8.8 lbs.

#### COMPATIBILITY

Chemask<sup>®</sup> WF Solder Masking Agent is generally compatible with most materials used in printed circuit board fabrication. As with any solder masking agent, compatibility with substrate must be determined on a non-critical area prior to use.