

Chemask® HV Solder Masking Agent

Product# CHV8

Product Description

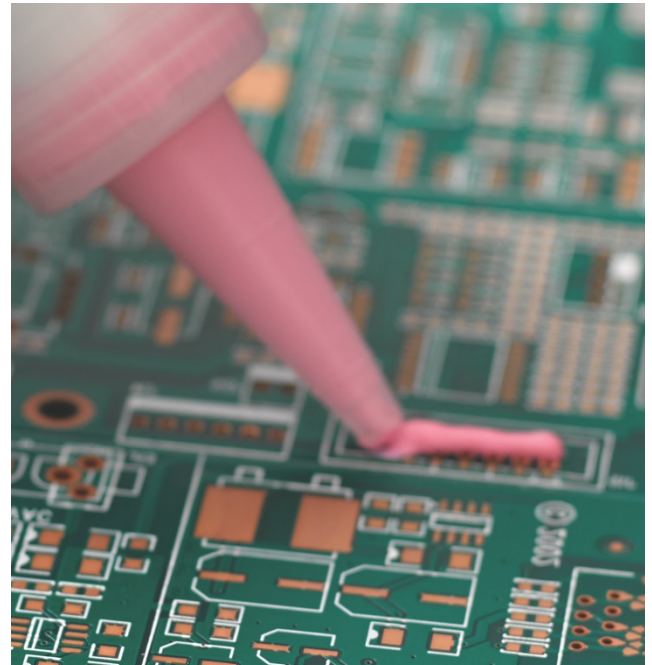
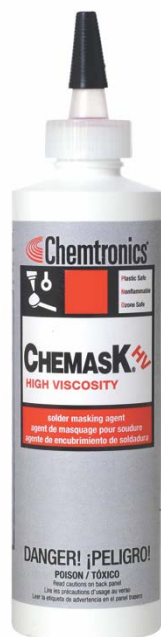
Chemask HV Solder Masking Agent is a temporary, high viscosity, fast curing, peelable solder masking agent. It is a high temperature resistant compound that protects component-free areas during wave soldering. Chemask HV can be introduced to the wave solder preheat within 4 minutes without adverse effects. Chemask HV may be used to protect pins, posts, contacts and edge connections during conformal coating processes.

- Stable to 515°F (268°C)
- Compatible with rosin, no clean, water soluble fluxes and cleaning solvents
- Leaves no residue
- Ready for wave solder in 4 minutes
- Dries tack free in 15 minutes
- Non-contaminating

Typical Applications

Chemask HV Solder Masking Agent protects:

- Component free areas for soldering
- Components
- Pin connectors during soldering
- Temperature sensitive components during wave soldering
- Sockets
- Board areas from conformal coating



Typical Product Data and Physical Properties

Base Material	Natural latex rubber
Color	Pink
Solvent Stability (cured mask)	Stable in all hydrocarbon, hydrofluorocarbon, chlorinated, and halogenated solvents
Flux Compatibility	All types
Temperature Stability	515°F/ 268°C
Tack-Free Drying Time (10 mils @ 77°F/25°C)	15 min.
Cure Time (10 mils @ 77°F/25°C)	30 min.
Viscosity (@ 77°F) (± 500 cps)	~190,000 cps
Viscosity Adjusted With	Deionized water
Solids Content	~ 60%
Flash Point	Nonflammable
Weight/Gallon	7.2 lbs.
Shelflife	2 years
RoHS Compliant	

Chemask® HV Solder Masking Agent

Product# CHV8

Compatibility

Chemask HV 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. Test compatibility on bare copper.

Application Method

Squeeze Bottle/Syringe	Yes
Spatula	Yes
Screening	No
Automatic Dispensing	Yes
Removal/Clean-up	By Hand

Usage Instructions

For industrial use only. Read SDS carefully prior to use.

Chemask HV Solder Masking Agent is engineered for all electronic manufacturing applications. When applying by hand using squeeze bottle, syringe or spatula, insure that all areas of the pretinned hole are evenly covered on the side to be soldered. Automatic dispensing equipment may also be used as appropriate.

REMOVAL: After allowing the mask to become fully cured, peelable solder mask can be removed by hand or by the use of tweezers. Depending on ambient conditions, peelable mask may remain on assemblies for extended periods of time prior to component insertion.

Availability

CHV8 8 fl. oz. / 236 mL Liquid

Recommended Storage and Handling:

Store in a cool, dry place at ambient temperatures between 60–80°F (16–27°C). Keep away from direct sunlight and avoid exposure to high heat. To maximize shelf life, ensure the container is tightly sealed after each use. Do not expose bottles to extreme temperatures above 100°F (38°C) or below 40°F (4°C).

Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401.

Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.