

CHEMTRONICS® Technical Data Sheet

TDS # CM8E

Chemask®

PRODUCT DESCRIPTION

Chemask® is a fast curing peelable solder masking agent. It contains a high temperature resistant compound that protects component-free areas during wave soldering. Chemask® may be used to protect pins, posts, contacts and edge connections during conformal coating processes.


- Stable to 515°F (268°C)
- Compatible with rosin, water soluble fluxes and cleaning solvents
- Leaves no residue
- Dries tack free in 30 minutes
- Non-contaminating

TYPICAL APPLICATIONS

Chemask® 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	Stable in all Hydrocarbons, Hydrofluorocarbons, water and chlorinated solvents
Flux Compatibility	All Types
Temperature Stability	515°F
Tack-Free Drying Time (10 mils @ 77°F)	15 min.
Cure Time (10 mils @ 77°F)	30 min.
Viscosity (@ 77°F) (± 300 cps)	18,000 cps
Viscosity Adjusted With	DI Water
Solids Content	~ 60%
Flash Point	Nonflammable
Weight/Gallon	7.2 lbs.
Shelflife	2 year
RoHS/WEEE Status	

COMPATIBILITY

Chemask® 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.

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 MSDS carefully prior to use.

Chemask[®] solder masking agent is engineered for all electronic manufacturing applications. When applying by hand using squeeze bottle 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

CM8E 200 ml. Squeeze Bottle

CM1 3.7 L. Liquid

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics[®] provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

ENVIRONMENTAL IMPACT DATA

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CFC	0.0%	VOC	3.1%
HCFC	0.0%	HFC	0.0%
Cl. Solv.	0.0%	ODP	0.00

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

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. ITW CHEMTRONICS[®] does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

MANUFACTURED BY:

ITW CHEMTRONICS

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