



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Chemask<sup>®</sup> NA**  
**High Temperature Solder Masking Agent**

The high temperature, peelable, temporary mask safe for use on sensitive metals

**PRODUCT DESCRIPTION**

Chemask<sup>®</sup> NA Non-Ammoniated Solder Masking Agent is a fast curing, peelable temporary spot mask formulated for safe use on sensitive metals. It contains high-temperature resistant compounds that protect component-free areas during wave soldering. Chemask<sup>®</sup> NA may be used to protect pins, posts, contacts and edge connections in the solder reflow oven or during conformal coating processes.

- Stable to 550°F (288°C)
- For lead-free or tin/lead processes
- Phthalate-free, low toxicity and environmentally safe
- Compatible with rosin, water soluble fluxes and cleaning solvents
- Dries tack free in 15 minutes
- Goes straight into the pre-heat oven
- Removes easily and leaves no residue
- Non-contaminating, non-staining and non-corrosive
- Compatible with gold, copper, nickel, silver and OSP finishes
- RoHS compliant

**TYPICAL APPLICATIONS**

Chemask<sup>®</sup> NA protects:

- Protects component-free areas during wave and reflow soldering
- Components and pin connectors
- Temperature sensitive components during wave or reflow soldering

**TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES**

<b>Base Material</b>	Synthetic Resin
<b>Color</b>	Green
<b>Odor</b>	Odorless
<b>Flux Compatibility</b>	All Types
<b>Process Compatibility</b>	Wave soldering & Reflow
<b>Solder Compatibility</b>	Lead-free & Tin/Lead
<b>Temperature Stability</b>	550°F
<b>Tack-Free Drying Time (10 mils @ 77°F)</b>	15 min.
<b>Cure Time (10 mils @ 77°F)</b>	30 min.
<b>Viscosity @ 77°F</b>	200,000 cps
<b>Viscosity Adjusted With</b>	DI water
<b>Flash Point</b>	Nonflammable
<b>Weight/Gallon</b>	8.5 lbs.
<b>Shelflife</b>	2 years
<b>RoHS compliant</b>	Yes

**COMPATIBILITY**

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

## APPLICATION METHODS

Squeeze Bottle/Syringe	Yes
Spatula	Yes
Screening	Yes
Automatic Dispensing	Yes
Removal	By hand
Clean-up before curing	Use water

## USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

Chemask<sup>®</sup> NA 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 pre-tinned hole are evenly covered on the side to be soldered. Automatic dispensing equipment may also be used as appropriate. Chemask<sup>®</sup> NA may also be screen printed. Depending on ambient conditions, temporary mask may remain on assemblies for extended periods of time prior to processing.

## REMOVAL:

After allowing the Chemask<sup>®</sup> NA to fully cure, the temporary mask can be removed by hand or using tweezers.

## AVAILABILITY

CNA8 8 oz. Squeeze Bottle

CNA1 1 Gal. 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**, or e-mail us at [AskChemtronics@chemtronics.com](mailto:AskChemtronics@chemtronics.com).

Chemtronics is also accessible on the web. Visit us at [www.chemtronics.com](http://www.chemtronics.com).

## ENVIRONMENTAL IMPACT DATA

ENVIRONMENTAL IMPACT DATA			
CFC	0.0%	VOC	0.0%
HCFC	0.0%	HFC	0.0%
GWP	0	ODP	0.0

CFC, HCFC, 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. Global warming potential (GWP) is calculated based on a 100 year time horizon. Carbon dioxide has a GWP of 1.

## 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.

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1-770-424-4888 Rev. A (08/13)

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