

# CHEMTRONICS® Technical Data Sheet

**TDS # C805**

## Static Free™ Hand Guard™

### PRODUCT DESCRIPTION

Static Free™ Hand Guard™ penetrates deeply to moisten and refresh dry, irritated skin exposed to heat, abrasives, or harsh chemicals. Static Free™ Hand Guard™ is specially formulated for electronic technicians to use as a non-contaminating hand and body lotion. It reduces static build-up on hands while preventing harmful electrostatic discharge during the handling of sensitive devices. Static Free™ Hand Guard™ quickly soothes and protects tender, chapped or irritated skin without the use of lanolin, silicone, or mineral oils that may inhibit solderability of printed circuits and components.


- Non-greasy formula
- Penetrates and soothes quickly
- Dissipates static build-up on hands
- Contains Aloe Vera and Vitamin E
- Does not contain Lanolin, Silicones, Glycerin, or Mineral Oils
- Contains no artificial dyes or colors

### TYPICAL APPLICATIONS

Static Free™ Hand Guard™ effectively moisturizes and soothes chapped and/or irritated skin. It is especially effective when skin is subjected to:

- Heat
- Abrasives
- Harsh Chemicals

### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	212°F
<b>Vapor Density (air=1) @ 100°F</b>	>1
<b>Solubility in Water</b>	Miscible
<b>Specific Gravity (water = 1)</b>	0.79
<b>Evaporation Rate (Ether = 1)</b>	<1
<b>Appearance</b>	White, Opaque Liquid
<b>Viscosity</b>	4900 cps @ RT (Brookfield DVII, CP52 @ 1RPM)
<b>Flash Point (TCC)</b>	None
<b>Static Decay (MIL-B-81705C)</b>	PASS (Less than 1 Second)
<b>Shelflife</b>	5 years
<b>RoHS/WEEE Status</b>	

### COMPATIBILITY

Static Free™ Hand Guard™ is generally compatible with most materials used in commercial/industrial applications. As with any chemical product, component compatibility must be determined on a non-critical area prior to use.

Hand lotions from other manufacturers can contain ingredients that will contaminate the work surface and inhibit solderability. Static Free™ Hand Guard™ does not contain any of these ingredients.

**Solderability Inhibitors**

<b><u>Ingredient</u></b>	<b><u>Contained in Static Free™ Hand Guard™?</u></b>
Glycerin	<b>NO</b>
Grease	<b>NO</b>
Lanolin	<b>NO</b>
Mineral Oils	<b>NO</b>
Silicone	<b>NO</b>

**USAGE INSTRUCTIONS**

Apply a small amount to hands and rub into skin.

**AVAILABILITY**

C805 8 oz. Pump

**TECHNICAL & APPLICATION ASSISTANCE**

ITW 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**

<b>ENVIRONMENTAL IMPACT DATA</b>			
CFC	0.0%	VOC	0.0
HCFC	0.0%	HFC	0.0%
CL Solv.	0.0%	ODP	0.0

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. 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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