

# CHEMTRONICS®

## Technical Data Sheet

CW7400

### CircuitWorks® Gold Guard™ Pen

#### PRODUCT DESCRIPTION

CircuitWorks® Gold Guard™ Pen is engineered to clean, lubricate and protect gold, silver, platinum and other precious metal contacts. CW7400 is a high performance contact cleaner and lubricant dispensed by a convenient marker pen delivery system. The Gold Guard™ lubricant offers protection from oxidation and corrosion while improving contact and conductivity.

- Minimizes friction and metal wear
- Protects against oxidation and corrosion
- Nonabrasive
- Excellent Material Compatibility
- Removes oxides, dust and other contaminants
- Lubricant remains stable up to 200°F and causes no electrical resistance.

#### TYPICAL APPLICATIONS

CircuitWorks® Gold Guard™ Pen is used in a wide range of applications, including:

- Axial and Coaxial connections
- Cleans, lubricates and protects
- Laboratory instruments
- M/F connections
- Microcomputers
- Noble metal contacts
- PCB edge connectors

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

<b>Boiling Point</b>	207 °F (207 °C)
<b>Vapor Density (air=1)</b>	>1
<b>Solubility in Water</b>	Negligible
<b>Specific Gravity (water = 1@77°F)</b>	0.80
<b>Evaporation Rate (butyl acetate=1)</b>	1
<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Alcohol
<b>Surface Tension (dynes/cm @21.6°C)</b>	21
<b>Flash Point (TCC) Flammable</b>	72°F (22°C)
<b>Shelflife</b>	5 years

#### COMPATIBILITY

The Gold Guard™ lubricant is compatible with most materials used in the electronics industry. With any chemical, compatibility with components must be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
ABS	Good
Buna-N	Good
EPDM	Fair
Graphite	Excellent
HDPE	Excellent
Kynar™	Excellent
LDPE	Excellent
Lexan™	Not Recommended
Neoprene	Good
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Fair
PVC	Excellent
Silicone Rubber	Good
Teflon™	Excellent
Viton™	Excellent

## 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

ENVIRONMENTAL IMPACT DATA			
CFC	0.0%	VOC	99.5%
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.

### MANUFACTURED BY:

ITW CHEMTRONICS  
8125 COBB CENTER DRIVE  
KENNESAW, GA 30152  
1-770-424-4888

REV. B (03/01)

## PERFORMANCE

	Lifetime in Years At:	
	40°C	60°C
<b>Open Surface</b>	<b>3</b>	<b>0.4</b>
<b>Edge Connector</b>	<b>6</b>	<b>0.9</b>
<b>Pin Socket Connector</b>	<b>30</b>	<b>4.5</b>
<b>Sealed Cable Connector</b>	<b>300</b>	<b>45</b>

## USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

Hold pen vertically and briefly depress tip to start flow. Rub pen tip on surface to be cleaned and lubricated.

Product is Flammable - Do not use near sources of ignition and energized equipment.

## AVAILABILITY

CW7400 8.5 g (0.3 oz.) Pen

### DISTRIBUTED BY: