

## CircuitWorks<sup>®</sup> Gold Guard<sup>™</sup> Pen

**Product# CW7400**

### Product Description

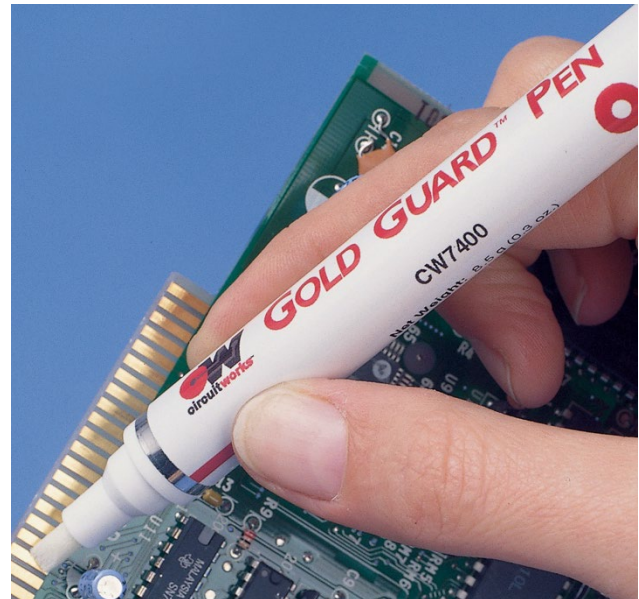
CircuitWorks Gold Guard Pen is engineered to clean, lubricate and protect gold, silver, platinum and other precious metal contacts. CW7400 is a high-performance contact cleaner and lubricant dispensed by a convenient marker pen delivery system. The Gold Guard lubricant offers protection from oxidation 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 392°F/200°C 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 (97°C) (Lubricant - 889°F/476°C)
<b>Vapor Density:</b> (air=1)	>1
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity:</b> (water = 1@77°F)	0.80
<b>Evaporation Rate:</b> (butyl acetate=1)	1
<b>Appearance:</b>	Clear, colorless liquid
<b>Odor:</b>	Alcohol
<b>Surface Tension:</b> (dynes/cm @21.6°C)	21
<b>Flash Point (TCC):</b>	72°F (22°C)
<b>Flammable</b>	
<b>Shelf life:</b>	5 years
<b>RoHS Compliant</b>	Yes

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### Compatibility

The CircuitWorks 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.

Material	Compatibility
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

### Usage Instructions

**For industrial use only. Read SDS 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

### Environmental Impact Data

CFC	0.0%
HCFC	0.0%
CL Solv.	0.0%
VOC	99.5%
HFC	0.0%
ODP	

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

### 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.

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### PERFORMANCE

	Lifetime in Years At:	
	104°F (40°C)	140°F (60°C)
<b>Open Surface</b>	3	0.4
<b>Edge Connector</b>	6	0.9
<b>Pin Socket Connector</b>	30	4.5
<b>Sealed Cable Connector</b>	300	45