

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°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

Boiling Point	207 °F (Lubricant - 889°F /476°C)
Vapor Density (air=1)	>1
Solubility in Water	Negligible
Specific Gravity (water = 1@77°F)	0.80
Evaporation Rate (butyl acetate=1)	1
Appearance	Clear, Colorless Liquid
Odor	Alcohol
Surface Tension (dynes/cm @21.6°C)	21
Flash Point (TCC) Flammable	72°F (22°C)
RoHS/WEEE Status	

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

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

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

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	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.

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