

MATERIAL SAFETY DATA SHEET CHEMTRONICS CW2200 CIRCUITWORKS CONDUCTIVE PEN

1. IDENTIFICATION OF SUBSTANC	E/PREPA	RATION AND OF T	HE COMPAN	Y/UNDERTAKING
COMMERCIAL PRODUCT NAME		CODE N		
CIRCUITWORKS CONDUCTIVE	PEN	CW2200STP		
		CW2200N		
		CW2200F		
MANUFACTURER/SUPPLIER:		CHEMTRONICS, INC.		
			b Center Drive	3
		USA	, Georgia 3015	2
Phone Number:		1-770-424	1_/1888	
Fax Number:		1-770-423		
EMERGENCY:		1-703-527		
2. COMPOSITION/INFORMATION (ON INGRI			
HAZARDOUS INGREDIENTS	CAS No.	CLASSIFICATION	R PHRASES	CONCENTRATION
	7440-22-4	-	-	35.0-65.0
Propylene Glycol Methyl Ether Acetate	108-65-6	Xi	R10, R36	2.0-20.0
Ethylene Glycol Monobutyl Ether Acetate		Xn	R20/21	2.0-20.0
Butyl Acetate	123-86-4	f	R10	5.0-35.0
3. HAZARDS IDENTIFICATION		F1 11		
Main Hazards		Flammable.		
Health Effects - Eyes		Liquid may cause sl	ight transient ir	ritation.
Health Effects - Skin		Repeated or prolong the skin leading to it	ged contact may rritation and der	produce defatting of matitis.
Health Effects - Ingestion		Swallowing may have the following effects: dizziness, light headedness, drowsiness, nausea.		
Health Effects - Inhalation		Exposure to vapour following effects: do		rations may have the onsciousness.
4. FIRST-AID MEASURES		T 1 1 1 1 1 1 1		
First Aid - Eyes		15 minutes, holding attention if soreness	the eye open. (
First Aid - Skin		Wash skin with soap skin cream.	and water. Ap	pply a reconditioning
First Aid - Ingestion		Give two or more gl vomiting. Obtain m		
First Aid - Inhalation		Remove from exposunwell.	sure. Seek medic	cal attention if you feel

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5. FIRE-FIGHTING MEASURES		
Extinguishing Media	Use foam, dry chemical or carbon dioxide.	
Unsuitable Extinguishing Media:	Do not use waterjet.	
Special Hazards of Product:	This product may give rise to hazardous fumes in a fire.	

Protective Equipment for Fire-Fighting:	Wear self contained breathing apparatus.	
6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions:	Ventilate the area. Wear appropriate protective clothing.	
Environmental Precautions:	Try to prevent the material from entering drains or water courses.	
Spillages:	Contain and absorb using earth, sand or other inert material.	
7. HANDLING AND STORAGE		
Handling:	Use in well ventilated area.	
Storage:	Storage area should be: out of direct sunlight, away from sparks and flames. Storage temperature should be kept below 50°C.	
8. EXPOSURE CONTROLS /PERSONAL PROT	ECTION	
Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.	
Respiratory Protection	General ventilation should be sufficient.	
Hand Protection:	Use a good quality barrier cream.	
Eye Protection:	Chemical goggles if there is a risk of eye contact.	
Body Protection:	Normal work wear.	
9. PHYSICAL AND CHEMICAL PROPERTIES		
Physical State:	Paste	
Colour:	Silver/gray	
Odour:	mild hydrocarbon	
Boiling Range/Point (°C):	126-192	
Explosion Limits (%): Lower/Upper1.5/10.0		
Solubility in water (kg/m3):	Insoluble	
Vapour Pressure (mm.Hg./20°C)	5-6	
Density (kg/m3)	1.80	

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le under normal conditions.
ces of ignition. Temperatures in excess of 50°C.
ng oxidizing agents, acids, bases, caustics.
bustion will generate: oxides of carbon, oxides of gen, monomers and smoke.
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No product specific data is available.
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Plastic caps and empty containers may be recycled via appropriate routes. Do not incinerate closed containers.
1263 PAINT 3 II 1263 Inflammable liquids having a flash-point below 21°C, not toxic and not corrosive. 3 3b 33 PAINT II 3.2 No. 3-07 3268 PAINT II 3 527

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f	Flammable.

Flammable. R Phrases:

S Phrases: Keep away from sorces of ignition - No Smoking. Use only in

well vetilated areas. Keep away from children. Do not breathe

gas/vapour/spray. Avoid contact with eyes.

16. OTHER INFORMATION:

15. REGULATORY INFORMATION

Labeling Information

PRODUCT INFORMATION: 1-770-424-4888

Product Use: For industrial use only.

MSDS first issued: 5/31/96 MSDS data revised: 4/3/98

EC Legislation

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to

dangerous preparations.

EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.		