SECTION 1: CHEMICAL PRODUCT AND COMPANY I	NFORMATION	
Company Address:		
8125 Cobb Center Drive Kennesaw, GA 30152		
Product Information: 800-TECH-401	Emergency:	(Chemtrec) 800-424-9300
Customer Service: 800-645-5244	Revision Date:	February 17, 2010
Product Identification		
CIRC	UITWORKS® NICKEL CONDU	CTIVE PEN
Product Code: CW2000		
SECTION 2: COMPOSITION/INFORMATION ON ING	REDIENTS	
Chemical Name	CAS No.	Wt. % Range
Nickel Propylene Glycol Methyl Ether Acetate	7440-02-0 108-65-6	35.0-65.0 2.0-20.0
Ethylene Glycol Monobutyl Ether Acetate	112-07-2	2.0-20.0
n-Butyl Acetate	123-86-4	5.0-35.0
Acrylic Resin	mixture	5.0-20.0
SECTION 3: HAZARDOUS IDENTIFICATION	uvdrocarbon odor This product is	flammable. Liquid and vapors will irritate eyes and skin. Breathing
high concentrations of product may produce headache, nausea,		naminaolo. Elquia ana vapois vini innato oyos ana skini. Eleaning
Potential Health Effects:		
Eyes: Vapors of this product may irritate the eyes. Liquid is in Skin: Contact may cause irritation. Prolonged contact may cau		
Ingestion: Harmful if swallowed. May cause nervous system		•
	ı, vomiting, dizziness, drowsiness,	irritation of the respiratory tract/mucous membranes. Extreme over-
exposure may cause loss of consciousness and narcosis. Pre-Existing Medical Conditions Aggravated by Exposure: He	eart lung eve skin	
SECTION 4: FIRST AID MEASURES	, init, initg, eye, skill.	
	initial flushing, remove any conta	act lenses and continue flushing for at least 15 minutes. Have eyes
examined by a physician if discomfort persists.		
Skin: Remove contaminated clothing and wash skin with soar euse.	p and water. Get medical attentio	n if irritation develops or persists. Wash clothing separately before
Ingestion: If swallowed, give two or more glasses of water im	mediately. DO NOT induce vomit	ing. Get medical attention.
Inhalation: In case of exposure to high concentrations of vapo		eathing is difficult, give oxygen and call a Physician. If breathing has
stopped, apply artificial respiration and call a Physician.		
SECTION 5: FIRE FIGHTING MEASURES	EL: 1.5/10.0 (% by volume in air)	
		ay. Water may not be effective in fighting the fire but can be used to
cool overheated areas. Care must be taken to not spread the fire	ð.	
		tainers. Take care not the spread fire with water. As in any fire, weat
material away from all sources of ignition, extreme heat, sparks		d full protective gear. Solvent vapors are an explosion hazard. Keep silv ignited and burns with intense heat.
SECTION 6: ACCIDENTAL RELEASE MEASURES		ny iginoù and ourio win monoo neun
Large Spills: Remove all sources of ignition (sparks, open t	lames, etc.). Wear self-contained	breathing apparatus and appropriate personal protective equipment.
		ds and absorbent material and place in a chemical waste container for
proper disposal. Do not flush to sewer. Prevent material from Small Spills: Absorb spill with absorbent material, then place		
SECTION 7: HANDLING AND STORAGE		
	ng. Wash hands before eating. Us	e with adequate ventilation. Avoid breathing product vapor. Do not
reuse this container. Store in a cool dry place, away from heat,	sparks or flames. Keep container ti	ghtly closed when not in use. Do not store in direct sunlight.
KEEP OUT OF REACH OF CHILDREN.		
SECTION 8: EXPOSURE CONTROLS, PERSONAL PRO Exposure Guidelines:	JTECTION	
	ACGIH TLV	OSHA PEL ACGIH STEL
CHEMICAL NAME		1.0 mg/m3 NA
Nickel	1.0 mg/m3	•
Nickel Propylene Glycol Methyl Ether Acetate	NA	NA NA
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate	•	•
CHEMICAL NAME Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin	NA NA 150 ppm NA	NA NA NA NA 150 ppm 200 ppm NA NA
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin <u>Work/Hygienic Practices:</u> Good general ventilation should b	NA NA 150 ppm NA be sufficient to control airborne le	NA NA NA NA 150 ppm 200 ppm NA NA vels. Local exhaust ventilation may be necessary to control any air
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin <u>Work/Hygienic Practices:</u> Good general ventilation should b contaminants to within their TLVs during the use of this produ	NA NA 150 ppm NA be sufficient to control airborne le let. If vapor concentration exceeds	NA NA   NA NA   150 ppm 200 ppm   NA NA   vels. Local exhaust ventilation may be necessary to control any air   TLV, use NIOSH approved organic vapor cartridge respirator. Weat
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin <u>Work/Hygienic Practices:</u> Good general ventilation should b contaminants to within their TLVs during the use of this produ- safety glasses with side shields or goggles and rubber or other of	NA NA 150 ppm NA be sufficient to control airborne le let. If vapor concentration exceeds	NA NA   NA NA   150 ppm 200 ppm   NA NA   vels. Local exhaust ventilation may be necessary to control any air   TLV, use NIOSH approved organic vapor cartridge respirator. Weat
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin <u>Work/Hygienic Practices:</u> Good general ventilation should b contaminants to within their TLVs during the use of this produ safety glasses with side shields or goggles and rubber or other of <u>NFPA and HMIS Codes:</u> Health	NA NA 150 ppm NA be sufficient to control airborne le lot. If vapor concentration exceeds themically resistant gloves when ha <b>NFPA</b> 2	NA NA NA NA 150 ppm 200 ppm NA NA vels. Local exhaust ventilation may be necessary to control any ain TLV, use NIOSH approved organic vapor cartridge respirator. Wear ndling this material. HMIS 2
Nickel Propylene Glycol Methyl Ether Acetate Ethylene Glycol Monobutyl Ether Acetate n-Butyl Acetate Acrylic Resin <u>Work/Hygienic Practices:</u> Good general ventilation should b	NA NA 150 ppm NA be sufficient to control airborne le let. If vapor concentration exceeds themically resistant gloves when ha NFPA	NA NA NA NA 150 ppm 200 ppm NA NA vels. Local exhaust ventilation may be necessary to control any air TLV, use NIOSH approved organic vapor cartridge respirator. Wear ndling this material. HMIS

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Silver colored paint	Solubility in Water: > 10%
Odor: Aromatic hydrocarbon	Specific Gravity: 1.6-1.8
<u>pH:</u> NA	Evaporation Rate: >1
Vapor Pressure: 5-6 mmHg @ 20°C	(Butyl acetate=1)
Percent Volatile: 30-40%	Boiling Range: 259-378°F (127-192C)
<u>Vapor Density</u> : >1 (Air = 1)	

## SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable. Conditions to Avoid: Avoid heat, sparks, open flame and strong oxidizing conditions.

Incompatibility: Do not mix strong oxidizers, acids, bases, caustics, amines and alkali contamination.

Products of Decomposition: Decomposition may release carbon monoxide, carbon dioxide, oxides of nitrogen, monomers and smoke. Depending on conditions, some highly reactive peroxides may be formed.

Hazardous Polymerization: Will not occur. Material is not known to polymerize.

	LD50	LD50	LC50
Ingredients	<u>(rat) Oral</u>	(rbt) Dermal	(rat) Inhalation
Nickel	5000 mg/kg		
Propylene Glycol Methyl Ether Acetate	8500 mg/kg	>5000 mg/kg	>4300 ppm
Ethylene Glycol Monobutyl Ether Acetate	3200 mg/kg	500 mg/24H MLD	
n-Butyl Acetate	14,000 mg/kg	500 mg/24H MLD	2000 ppm/4H
Acrylic Resin	NA	NA	NA
Cancer Information: Nickel is listed as a po	ossible carcinogen to humans I	ARC-2B & NTP-2.	
Reproductive effects: none	Teratogenic effects: none	Mutage	enic effects: none

# **Environmental Impact Information**

Avoid runoff into storm sewers and ditches which lead to waterways. Water runoff can cause environmental damage.

#### REPORTING

US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is: 1-800-424-8802

SECTION	N 14: TRANSPORTATION I	NFORMATION						
	Proper			Sub.	Pkg.	Hazard	Pkg.	Max.
	Shipping Name	UN Number	Class	Risk	Group	Label	Instr.	Quantity
<u>Air:</u> PAINT	PAINT	UN1263	3	-	III	Flammable	Y309	1L
					Liquid		5L	
Ground:	Consumer Commodity	-	ORM-D	-	-	ORM-D	173.150	5L
	ORM-D							
	N 15: REGULATORY INFO							
	N 313 SUPPLIER NOTIFICATI							
1	uct contains the following toxic	c chemicals subject to	the reporting	requirem	ents of Section	n 313 of the Emergency	Planning and Comm	unity Right-To
Act of 198	86 (40 CFR 372).							
Nickel			C	AS# 744	0.02.0		>50%	

This information should be included on all MSDSs copied and distributed for this material.

TOXIC SUBSTANCES CONTROL ACT (TSCA).

All ingredients of this product are listed on the TSCA Inventory.

CALIFORNIA PROPOSITION 65: WARNING: This product contains nickel, a chemical known to the state of California to cause cancer.

WHMIS: Class B2; Class D2B

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### SECTION 16: OTHER INFORMATION

Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

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.