

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** CFPS Roofing Coil Nail, Roofing Hand Nail, Framing Paper Strip Nail, Plastic Strip Nail, Concrete Nail, Ardox Nail, Drywall Screw, Common Coil Nail, Common Nail, Coated Box, Double Head Nail, CFPS Wood Fastener

**CHEMICAL NAME/SYNONYM:** Refractory Metal Carbide

**CHEMICAL FAMILY:** Metal

**MANUFACTURER:** Canada Fine Parts and Supplies Inc

**ADDRESS:** Unit 14 1616 Matheson Blvd Mississauga ON L4W 1R9

**24 HOUR EMERGENCY PHONE: (Chemtrec) INFORMATION ONLY:** 416-505-5305

**PREPARED BY:** Paul Lee

**APPROVED BY:** Peter Lou

<p><b>Health</b>  <b>Flammable</b>  <b>Reactive</b>  <b>Special Hazards</b></p>	<p><b>NFPA HAZARD RATING:</b>  1  1  0</p>	<p><b>Health</b>  <b>Flammable</b>  <b>Reactive</b>  <b>Special Hazards</b></p>	<p><b>HMIS HAZARD RATING:</b>  0  1  0</p>
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**OSHA HAZARDOUS:** Yes  No

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	COMMON NAME	CAS #	% (BY WT)	OSHA/PEL	ACGIH/TLV <sup>1</sup>
Tungsten Carbide		(12070-12-1)	37.6 - 97.1	-	5 mg/m <sup>3</sup> (as W)
Cobalt		(7440-48-4)	3 - 25.1	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Tantalum Carbide		(12070-06-3)	0.0 - 56.4	5 mg/m <sup>3</sup> (as Ta)	5 mg/m <sup>3</sup> (as Ta)
Chromium Carbide		(12012-35-0)	0.0 - 2.5	1 mg/m <sup>3</sup> (as Cr <sup>+3</sup> )	0.5 mg/m <sup>3</sup> (as Cr <sup>+3</sup> )
Chromium (+3)		(7440-47-3)	0.0 - 2.5	1 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>

**SECTION 3: HAZARDS IDENTIFICATION**

**PRIMARY ROUTE OF EXPOSURE:** Grinding cemented carbide product will produce dust of potentially hazardous ingredients, which can be inhaled, swallowed or come in contact with the skin or eyes.

**SIGNS & SYMPTOMS OF EXPOSURE**  
**Inhalation:** Dust from grinding can cause irritation of the nose and throat. It also has the potential for causing transient or permanent respiratory disease, including occupational asthma and interstitial fibrosis, in a small percentage of exposed individuals. It is reported that cobalt dust is the most probable cause of such respiratory diseases. Symptoms include productive cough, wheezing, shortness of breath, chest tightness and weight loss. Interstitial fibrosis (lung scarring) can lead to permanent disability or death. Certain pulmonary conditions may be aggravated by exposure.  
**Skin Contact:** Can cause an irritation or skin rash due to cobalt sensitization. Certain skin conditions, such as dry skin, may be aggravated by exposure.  
**Eye Contact:** Can cause irritation.  
**Ingestion:** Reports outside the industry suggest that ingestion of significant amounts of cobalt has the potential for causing blood, heart and other organ problems.

**ACUTE HEALTH HAZARDS:** None Known

**CHRONIC HEALTH HAZARDS:** No Known Adverse Effects

**CARCINOGENICITY:** None of the components of this material have been identified as known or suspected carcinogens by NTP, IARC or OSHA.

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**SECTION 4: FIRST AID MEASURES**

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**FIRST AID PROCEDURES:**

Inhalation: If symptoms of pulmonary involvement develop (coughing, wheezing, shortness of breath, etc.), remove from exposure and seek medical attention.

Skin Contact: If irritation or rash occurs, thoroughly wash affected area with soap and water and isolate from exposure. If irritation persists, seek medical attention.

Eye Contact: If irritation occurs flush with copious amount of water. If irritation persists, seek medical attention.

Ingestion: If substantial quantities are swallowed, dilute with large amount of water, induce vomiting and seek medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/a

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**SECTION 5: FIRE-FIGHTING PROCEDURES**

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**SUITABLE EXTINGUISHING MEDIA:**

For powder fires, smother with dry sand, dry dolomite, ABC type fire extinguisher, or flood with water.

**HAZARDOUS COMBUSTION PRODUCTS:**

Hard Cemented Carbide Product is not a fire hazard. Dusts generated in grinding operations may ignite if allowed to accumulate and subjected to an ignition source.

**RECOMMENDED FIRE FIGHTING PROCEDURES:**

For a powder fire confined to a small area, use a respirator approved for toxic dusts and fumes. For large fire involving this material, fire fighters should use self-contained breathing apparatus.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Dusts may present a fire or explosion hazard under rare favoring conditions of particle size, dispersion and strong ignition source. However, this is not expected to be a problem under normal handling conditions.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:**

Ventilate area of spill. Clean up using methods, which avoid dust generation, such as vacuum (with appropriate filter to prevent airborne dust levels which exceed the PEL or TLV), wet dust mop or wet clean up. If airborne dust is generated, use an appropriate NIOSH approved respirator.

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**SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:**

Maintain good housekeeping procedures to prevent dust accumulation during grinding. Avoid dust inhalation and direct skin contact with dust.

**OTHER PRECAUTIONS:**

N/a

**STEPS TO BE TAKEN IN CASE MATERIAL IS REALEASED OR SPILLED:**

Shovel or scoop into a container.

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:**

Clean up using methods, which avoid dust generation, such as vacuum (with appropriate filter to prevent airborne dust levels which exceed PEL or TLV), wet dust mop or wet clean up. If airborne dust is generated, use an appropriate NIOSH approved respirator.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** N/a  
**VENTILATION:** Use local exhaust ventilation, which is adequate to limit personal exposure to airborne dust to levels, which do not exceed the PEL or TLV. If such equipment is not available, use respirators as specified above.

**RESPIRATORY PROTECTION:** Use an appropriate NIOSH approved respirator if airborne dust concentrations exceed the appropriate PEL or TLV. All appropriate requirements set forth in 29 CFR 1910.134 should be met.

**EYE PROTECTION:** Safety glasses with side shields may be necessary when handling, cutting or applying this product.

**SKIN PROTECTION:** None required.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Protective Gloves or Barrier cream are recommended when contact with dust or mist is likely. Prior to applying the Barrier cream use of protective gloves, wash thoroughly.

**WORK HYGIENIC PRACTICES:** Wash exposed skin prior to eating, drinking or smoking and at the end of each work shift. Wash contaminated clothing prior to reuse.

**EXPOSURE GUIDELINES:** N/a

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE &amp; ODOR:</b>	Solid	<b>LOWER EXPLOSIVE LIMIT:</b>	None
<b>FLASH POINT:</b>	Not Applicable	<b>UPPER EXPLOSIVE LIMIT:</b>	None
<b>METHOD USED:</b>	Not Applicable	<b>BOILING POINT:</b>	None
<b>EVAPORATION RATE:</b>	Not Applicable	<b>MELTING POINT:</b>	Unknown
<b>pH (undiluted product):</b>	Not Applicable	<b>SPECIFIC GRAVITY:</b>	11.85 - 15.35 (Water=1)
<b>SOLUBILITY IN WATER:</b>	None	<b>PERCENT VOLATILE:</b>	0.0%
<b>VAPOR DENSITY:</b>	Not Applicable		
<b>VAPOR PRESSURE:</b>	Not Applicable		
<b>VOLATILE ORGANIC COMPOUNDS (VOC)</b>			
<b>WITH WATER (LBS/GAL):</b>	N/a	<b>WITHOUT WATER (LBS/GAL):</b>	N/a
<b>MOLECULAR WEIGHT:</b>	N/a		

**SECTION 10: STABILITY AND REACTIVITY**

**THERMAL STABILITY:** STABLE  UNSTABLE

**CONDITIONS TO AVOID (STABILITY):** N/A

**INCOMPATIBILITY (MATERIAL TO AVOID):** Contact of dust with strong oxidizers may cause fire or explosions. Also to avoid strong acids.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N/a

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** N/a

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** N/a

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of in accordance with appropriate government regulations. May be sold as scrap for reclaim.  
**RCRA HAZARD CLASS:** N/a

**CANADA FINE PARTS AND SUPPLIES INC**  
**MATERIAL SAFETY DATA SHEET**

**MSDS # 1095**  
**MSDS DATE: 6/03**

**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DOT Highway  
Transportation**

**PROPER SHIPPING NAME:** Not Applicable  
**HAZARD CLASS:** Not Applicable  
**ID NUMBER:** Not Applicable  
**PACKING GROUP:** Not Applicable  
**LABEL STATEMENT:** Not Applicable

**U.S. DOT Water  
Transportation**

**PROPER SHIPPING NAME:** Not Applicable  
**HAZARD CLASS:** Not Applicable  
**ID NUMBER:** Not Applicable  
**PACKING GROUP:** Not Applicable  
**LABEL STATEMENT:** Not Applicable

**U.S. DOT Air Transportation**

**PROPER SHIPPING NAME:** Not Applicable  
**HAZARD CLASS:** Not Applicable  
**ID NUMBER:** Not Applicable  
**PACKING GROUP:** Not Applicable  
**LABEL STATEMENT:** Not Applicable

**OTHER REGULATORY  
AGENCIES**

**PROPER SHIPPING NAME:** Not Applicable  
**HAZARD CLASSIFICATION:** Not Applicable  
**ID NUMBER:** Not Applicable  
**LABELS REQUIRED:** Not Applicable  
**OTHER REQUIREMENTS:** Not Applicable

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:** N/a  
**TSCA (TOXIC SUBSTANCE CONTROL ACT):** N/a  
**CERCLA (COMPREHENSIVE RESPONSE  
COMPENSATION, AND LIABILITY ACT):** N/a  
**SARA TITLE III (SUPERFUND AMENDMENTS AND  
REAUTHORIZATION ACT):** N/a  
**311/312 HAZARD CATEGORIES:** N/a  
**313 REPORTABLE INGREDIENTS:** N/a

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**SECTION 16: OTHER INFORMATION**

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**ADDITIONAL COMMENTS:**

This product is considered to be a finished article as per 29 CFR 1910.1200(C) and is therefore, exempt from the requirements of the Hazard Communication standard. Rubber products stored for a prolonged period of time in a poorly ventilated area or heated during reprocessing may generate measurable amounts of volatile N-Nitrosamines, some of which may be animal carcinogens. Insure proper ventilation where this product is used or stored.

**DATE OF PREVIOUS MSDS:**

11/02

**CHANGES SINCE PREVIOUS MSDS:**

Phone Numbers

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