

# Material Safety Data Sheet

Material Name: CCA Type C Pressure-Treated Wood

MSDS ID: CSI-011U

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Use:** Lumber

**Synonyms:** Pressure treated wood with Chromated Copper Arsenate

### Manufacturer Information

Phone:

Fax:

Emergency # CHEMTREC: (800) 424-9300

### General Comments

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

Product dust may form explosive mixture with air. Product dusts may cause irritation to the eyes, skin and respiratory tract. Product contains a known sensitizing agent.

### Potential Health Effects: Eyes

Product dust may cause irritation to the eyes. Symptoms can include irritation, redness, scratching of the cornea, and tearing.

### Potential Health Effects: Skin

Product dust may cause irritation to the skin. Mechanical rubbing may increase skin irritation. Product may cause dermatitis or allergic skin reactions in sensitized individuals.

### Potential Health Effects: Ingestion

Ingestion of wood product or product dust is unlikely. If ingestion does occur, slight gastrointestinal irritation may result. Certain species of wood and their dusts may contain natural toxins which can have adverse effects in humans.

### Potential Health Effects: Inhalation

Product dust is irritating to the nose, throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passages, coughing, sneezing, dryness and soreness of throat and sinuses, hoarseness, and wheezing. Prolonged or repeated inhalation of product dusts may cause respiratory irritation, recurrent bronchitis and prolonged colds. Some species of wood and product dusts may cause allergic respiratory reactions with asthma-like symptoms in sensitized individuals. Prolonged exposure to wood dust by inhalation has been reported to be associated with nasal and paranasal cancer.

### Medical Conditions Aggravated by Exposure

Pre-existing eye, respiratory system and skin conditions.

**HMIS Ratings: Health: 1\* Fire: 1 Physical Hazard: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
Not Available	Wood/Wood dust	60-100
1333-82-0	Chromium (VI) trioxide (CrO3)	0.1-1.0; 1-5
7778-39-4	Arsenic acid	0.1-1.0; 1-5
1317-38-0	Copper oxide	0.1-1.0; 1-5

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## Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Wood dust, all soft and hard woods, Wood dusts-soft woods, Wood dusts-hard wood, Chromium (7440-47-3), Chromium (VI) (18540-29-9), Chromium (VI) compounds, Arsenic (7440-38-2), Arsenic, inorganic compounds, Copper(+1) oxide (1317-39-1), Copper compounds, n.o.s., Copper dusts and mists.

## Component Information/Information on Non-Hazardous Components

CCA Type C Pressure Treated Wood products are made up of >90% "wood" and <10% CCA Type C 50%-60% EPA registered wood preservatives; EPA Registration No.: 10465-26 (CCA50%), 10465-28 (CCA60%) EPA Est. No.: 10465-NC-2, 10356-GA-1, 10365-TX-1

This product is considered hazardous under the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

The above percentage ranges are in compliance with the Canadian Workplace Hazardous Information System (WHMIS).

## \* \* \* Section 4 - First Aid Measures \* \* \*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

### First Aid: Skin

For skin contact, wash immediately with soap and water. Continue flushing skin with water for 15 minutes. If irritation persists, get medical attention. If wood splinters are injected under the skin, get medical attention immediately.

### First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

### First Aid: Inhalation

If dusts are inhaled, remove person to fresh air. If symptoms persist, get medical attention.

### First Aid: Notes to Physician

Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to product dust.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

### General Fire Hazards

See Section 9 for Flammability Properties.

Wood is flammable, and wood dusts may form explosive mixtures with air in the presence of an ignition source.

### Hazardous Combustion Products

Hazardous decomposition products include irritating and toxic vapors and gases of arsenic compounds, chromium oxides and copper compounds.

### Extinguishing Media

Use water to wet down wood and to reduce the likelihood of ignition or dispersion of dust into the air.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

### NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

No containment procedures are needed, as this product cannot spill or leak the preservative. Keep away from sparks and flame.

### Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Wet down accumulated dusts prior to sweeping or vacuuming in order to prevent explosion hazards. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Gather larger pieces by an appropriate method. Avoid the generation of airborne dusts during clean-up. Do not inhale dusts during cleanup.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

Wear appropriate personal protective equipment. Follow all Local, State, Federal and Provincial regulations for disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood. Wash hands after handling and before eating. Avoid contact of product or product dusts with skin and eyes. Do not breathe product dusts. Do not eat, drink or smoke when handling this material or in areas where dusts of this product are present.

### Storage Procedures

Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts. Store product in a dry area away from excessive heat, sparks and open flame.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### A: General Product Information

Follow all applicable exposure limits.

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## B: Component Exposure Limits

### Wood/Wood dust (Not Available)

- OSHA (Vacated): 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)  
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- NIOSH: 1 mg/m3 TWA (related to Wood dust, all soft and hard woods)
- Alberta: 5 mg/m3 TWA (total) (related to Wood dust, all soft and hard woods)
- New Brunswick: 5 mg/m3 TWA (related to Wood dusts-soft woods)  
10 mg/m3 STEL (related to Wood dusts-soft woods)
- NW Territories: 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)  
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- Nunavut: 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)  
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- Ontario: 5 mg/m3 TWAEV (related to Wood dusts-soft woods)  
10 mg/m3 STEV (related to Wood dusts-soft woods)
- Quebec: 5 mg/m3 TWAEV (total dust, except red cedar, containing no asbestos and less than 1% crystalline silica) (related to Wood dust, all soft and hard woods)
- Saskatchewan: 5 mg/m3 TWA (certain species) (related to Wood dusts-soft woods)  
10 mg/m3 STEL (related to Wood dusts-soft woods)
- Yukon: 5 mg/m3 TWA (non-allergenic); 2.5 mg/m3 TWA (allergenic) (related to Wood dust, all soft and hard woods)  
10 mg/m3 STEL (non-allergenic); 5 mg/m3 STEL (allergenic) (related to Wood dust, all soft and hard woods)

### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

- ACGIH: 0.5 mg/m3 TWA (related to Chromium)
- OSHA: 2.5 µg/m3 Action Level; 5 µg/m3 TWA (Cancer hazard - see 29 CFR 1910.1026) (related to Chromium (VI))
- OSHA (Final): 1 mg/m3 TWA (related to Chromium)
- OSHA (Vacated): 1 mg/m3 TWA (related to Chromium)
- NIOSH: 0.001 mg/m3 TWA (as Cr, listed under chromic acid anhydride)
- Alberta: 0.5 mg/m3 TWA (related to Chromium)
- British Columbia: 0.5 mg/m3 TWA (related to Chromium)
- Manitoba: 0.5 mg/m3 TWA (related to Chromium)
- New Brunswick: 0.5 mg/m3 TWA (related to Chromium)
- NW Territories: 0.5 mg/m3 TWA (related to Chromium)  
1.5 mg/m3 STEL (related to Chromium)
- Nova Scotia: 0.5 mg/m3 TWA (related to Chromium)
- Nunavut: 0.5 mg/m3 TWA (related to Chromium)  
1.5 mg/m3 STEL (related to Chromium)
- Ontario: 0.5 mg/m3 TWAEV (related to Chromium)
- Quebec: 0.5 mg/m3 TWAEV (related to Chromium)
- Saskatchewan: Present (related to Chromium (VI) compounds)  
0.5 mg/m3 TWA (related to Chromium)  
1.5 mg/m3 STEL (related to Chromium)
- Yukon: 0.1 mg/m3 TWA (related to Chromium)  
3.0 mg/m3 STEL (related to Chromium)

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## Arsenic acid (7778-39-4)

ACGIH:	0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
OSHA:	5 µg/m <sup>3</sup> Action Level (as As); 10 µg/m <sup>3</sup> TWA (as As, Cancer hazard - see 29 CFR 1910.1018, except Arsine) (related to Arsenic, inorganic compounds)
OSHA (Final):	10 µg/m <sup>3</sup> TWA (as As) (related to Arsenic, inorganic compounds)
OSHA (Vacated):	0.5 mg/m <sup>3</sup> TWA (related to Arsenic)
NIOSH:	0.002 mg/m <sup>3</sup> Ceiling (15 min) (related to Arsenic)
Alberta:	Designated substance - requires code of practice (related to Arsenic) 0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
British Columbia:	ACGIH Category A1 - Confirmed Human Carcinogen; IARC Category 1 - Human Carcinogen (related to Arsenic) 0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
Manitoba:	0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
New Brunswick:	0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
NW Territories:	0.2 mg/m <sup>3</sup> TWA (related to Arsenic) 0.6 mg/m <sup>3</sup> STEL (related to Arsenic)
Nova Scotia:	0.01 mg/m <sup>3</sup> TWA (related to Arsenic)
Nunavut:	0.2 mg/m <sup>3</sup> TWA (related to Arsenic) 0.6 mg/m <sup>3</sup> STEL (related to Arsenic)
Ontario:	10 µg/m <sup>3</sup> TWAEV; 50 µg/m <sup>3</sup> STEV (related to Arsenic) 10 µg/m <sup>3</sup> TWAEV (designated substance regulation) (related to Arsenic) 50 µg/m <sup>3</sup> STEV (designated substances regulation) (related to Arsenic)
Quebec:	0.1 mg/m <sup>3</sup> TWAEV (related to Arsenic)
Saskatchewan:	Present (related to Arsenic) 0.01 mg/m <sup>3</sup> TWA (related to Arsenic) 0.03 mg/m <sup>3</sup> STEL (related to Arsenic)
Yukon:	0.5 mg/m <sup>3</sup> TWA (related to Arsenic) 0.5 mg/m <sup>3</sup> STEL (related to Arsenic)

## Copper oxide (1317-38-0)

NIOSH:	0.1 mg/m <sup>3</sup> TWA (fume, as Cu) 1 mg/m <sup>3</sup> TWA (dust and mist, as Cu, except copper fume) (related to Copper compounds, n.o.s.)
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## Engineering Controls

Use exhaust ventilation when cutting, grinding or sanding in enclosed areas and if it is anticipated the exposure limits for wood dust may be exceeded during working with this product.

## PERSONAL PROTECTIVE EQUIPMENT

### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields when handling, cutting, sanding or grinding this material. Use a face shield during processes that may generate excessive dusts and splinters.

### Personal Protective Equipment: Skin

Wear puncture resistant work gloves, such as leather.

### Personal Protective Equipment: Respiratory

When respiratory protection is required, wear a NIOSH/MSHA approved self-contained breathing apparatus with full facepiece operated in a positive-pressure mode.

### Personal Protective Equipment: General

Laundry contaminated clothing after use. Eye wash fountain and emergency showers are recommended.

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## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Light to dark green	<b>Odor:</b>	No odor
<b>Physical State:</b>	Solid wood	<b>pH:</b>	Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Melting Point:</b>	Not applicable
<b>Solubility (H2O):</b>	Insoluble	<b>Specific Gravity:</b>	Not available
<b>Flash Point:</b>	Not applicable	<b>Flash Point Method:</b>	Not available
<b>Auto Ignition:</b>	Not available	<b>LFL:</b>	Not available
<b>UFL:</b>	Not available		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Keep away from excessive heat, sparks and open flame. Keep away from incompatible materials.

### Incompatibility

This product may react with strong acids, strong bases, reducing agents, halogens, metals and water-reactive materials.

### Hazardous Decomposition

Hazardous decomposition products include irritating and toxic vapors and gases of arsenic compounds, chromium oxides and copper compounds.

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

Wood dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of wood dust may cause respiratory irritation, recurrent bronchitis and prolonged colds. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals.

Chromium III, the naturally occurring form, has low toxicity while chromium VI is highly toxic due to strong oxidation characteristics and permeability through biological membranes. Excessive exposure to chromium VI can produce allergic skin sensitization reactions and severe nasal irritation, scarring and damage to the lungs, liver and kidney damage.

Exposure to arsenic compounds results in hyperpigmentation of the skin and hyperkeratosis of the skin as well as dermatitis of both primary irritation and sensitization types. Acute inhalation has resulted in irritation of the upper respiratory tract, even leading to ulceration and perforation of the nasal septum. Symptoms of acute arsenic poisoning include burning lips, constriction of the throat, abdominal pain, severe nausea, projectile vomiting, and profuse diarrhea. Other toxic effects on the liver, blood-forming organs, central and peripheral nervous systems and cardiovascular system may appear.

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## B: Component Analysis - LD50/LC50

### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

Inhalation LC50 Rat: 0.217 mg/L/4H; Oral LD50 Rat:50 mg/kg; Dermal LD50 Rat:55 mg/kg; Dermal LD50 Rabbit:20 mg/kg  
15 mg/m<sup>3</sup> IDLH (as Cr(VI), listed under chromic acid anhydride)

### Arsenic acid (7778-39-4)

Oral LD50 Rat: 8 mg/kg  
5 mg/m<sup>3</sup> IDLH (related to Arsenic)

### Copper oxide (1317-38-0)

Inhalation LC50 Rat: 5 mg/L/4H; Oral LD50 Rat:470 mg/kg; Dermal LD50 Rat:>2000 mg/kg (related to Copper(+1) oxide)  
100 mg/m<sup>3</sup> IDLH (dust and mist, as Cu) (related to Copper compounds, n.o.s.)

## Carcinogenicity

### A: General Product Information

Wood dust is classified as a human carcinogen or occupational carcinogen by ACGIH, NIOSH and IARC. This classification is based on an increased incidence of nasal and paranasal cancers in people exposed to wood dusts.

Chromium VI compounds have been strongly implicated in causation of human lung cancer. Elevated cancer risks have been noted mainly in persons manufacturing certain water-insoluble chromium VI pigments. Chromium trioxide may cause cancer of the respiratory tract.

Inorganic arsenic can produce lung, skin and lymphatic cancer with long term occupational exposure above the established limits.

### B: Component Carcinogenicity

#### Wood/Wood dust (Not Available)

ACGIH: A1 - Confirmed Human Carcinogen (related to Wood dusts-hard wood)  
NIOSH: potential occupational carcinogen (related to Wood dust, all soft and hard woods)  
NTP: Known Human Carcinogen (related to Wood dust, all soft and hard woods) (Select Carcinogen)  
IARC: Monograph 62 [1995] (related to Wood dust, all soft and hard woods) (Group 1 (carcinogenic to humans))

#### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Chromium)  
OSHA: 2.5 µg/m<sup>3</sup> Action Level; 5 µg/m<sup>3</sup> TWA (Cancer hazard - see 29 CFR 1910.1026) (related to Chromium (VI))  
NIOSH: potential occupational carcinogen (listed under chromic acid anhydride)  
NTP: Known Human Carcinogen (listed under Chromium hexavalent compounds) (Select Carcinogen)  
IARC: Monograph 49 [1990] (listed under chromium(VI)); Supplement 7 [1987]; Monograph 23 [1980]; Monograph 2 [1973] (Group 1 (carcinogenic to humans))

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## Arsenic acid (7778-39-4)

- ACGIH: A1 - Confirmed Human Carcinogen (related to Arsenic)  
OSHA: 5 µg/m<sup>3</sup> Action Level (as As); 10 µg/m<sup>3</sup> TWA (as As, Cancer hazard - see 29 CFR 1910.1018, except Arsine) (related to Arsenic, inorganic compounds)  
NIOSH: potential occupational carcinogen (related to Arsenic)  
NTP: Known Human Carcinogen (related to Arsenic, inorganic compounds) (Select Carcinogen)  
IARC: Monograph 84 [2004] (listed under Arsenic in drinking water) (Group 1 (carcinogenic to humans))

## Mutagenicity

Chromium VI compounds have been mutagenic in bacteria, caused chromosome aberrations in mammalian cells and have been associated with increased frequencies of chromosome aberrations in lymphocytes in chromate workers.

Exposure to arsenic compounds has been reported to induce chromosomal breaks in cultured human leukocytes.

## Teratogenicity

Chromium VI compounds have caused birth defects and affected fertility in laboratory animals.

Teratogenic effects of soluble arsenic compounds administered intravenously or intraperitoneally at high doses have been demonstrated in hamsters, rats and mice.

## \* \* \* Section 12 - Ecological Information \* \* \*

## Ecotoxicity

### A: General Product Information

This product is not expected to leach harmful amounts of preservative into the environment. However, the wood preservatives in this product can be extremely harmful to both terrestrial and aquatic plant or animal life.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

Test & Species		Conditions
96 Hr LC50 Colisa fasciatus	40 mg/L	Static
24 Hr EC50 water flea	435 µg/L	related to Chromium (VI)

#### Arsenic acid (7778-39-4)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	25.6 mg/L	
96 Hr LC50 Lepomis macrochirus	43-59 mg/L	Flow-through
96 Hr LC50 Lepomis macrochirus	39-110 mg/L	Static
96 Hr LC50 Oncorhynchus mykiss	42.09-66.86 mg/L	Static

#### Copper oxide (1317-38-0)

Test & Species		Conditions
96 Hr EC50 Scenedesmus subspicatus	65 mg/L	related to Copper(+1)

## Environmental Fate

No data available for this product.



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## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

Note: If discarded, this product as supplied would not be considered a hazardous waste according to 40CFR261.4(b)(9).

#### B: Component Waste Numbers

##### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

RCRA: 5.0 mg/L regulatory level (related to Chromium)

##### Arsenic acid (7778-39-4)

RCRA: waste number P010  
5.0 mg/L regulatory level (related to Arsenic)

### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

Shipping Name: Not regulated

UN/NA #: None Hazard Class: None Packing Group: None

Required Label(s): None

### Canada Transportation of Dangerous Goods Information

Shipping Name: Not regulated

UN/NA #: None Hazard Class: None Packing Group: None

Required Label(s): None

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

This product is pressure treated with either of two FIFRA registered wood preservatives which fall under Environmental Protection Agency regulations.

EPA Registration No.: 10465-26 (CCA50%), 10465-28 (CCA60%)

EPA Est. No.: 10465-NC-2, 10356-GA-1, 10365-TX-1

#### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

##### Chromium (VI) trioxide (CrO<sub>3</sub>) (1333-82-0)

SARA 313: 0.1 % de minimis concentration (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR), Chemical Category N090) (related to Chromium (VI) compounds)

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## Arsenic acid (7778-39-4)

SARA 313: 0.1 % de minimis concentration (Chemical Category N020) (related to Arsenic, inorganic compounds)

CERCLA: 1 lb final RQ; 0.454 kg final RQ

## Copper oxide (1317-38-0)

SARA 313: 1.0 % de minimis concentration (does not include copper phthalocyanine compounds substituted only with hydrogen and/or bromine and/or chlorine, Chemical Category N100) (related to Copper compounds, n.o.s.)

SARA 311/312: Acute Health Yes Chronic Health Yes Fire Yes Pressure No Reactive No

## State Regulations

### A: General Product Information

Other state regulations may apply. Check individual state requirements.

### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Wood/Wood dust (¹related to Wood dust, all soft and hard woods) (²related to Wood dusts-soft woods)	Not Available	No	No	Yes¹	No	Yes²	Yes¹
Chromium (VI) trioxide (CrO3) (¹related to Chromium)	1333-82-0	Yes¹	Yes	Yes¹	Yes	Yes	Yes
Arsenic acid (¹related to Arsenic)	7778-39-4	Yes¹	Yes	Yes¹	Yes	Yes	Yes¹
Copper oxide (¹related to Copper compounds, n.o.s.)	1317-38-0	Yes¹	No	No	Yes¹	Yes¹	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

## Canadian WHMIS Information

### A: General Product Information

All components are on the Canadian Domestic Substances or Non-Domestic Substances Inventory Lists.

### B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Chromium (VI) trioxide (CrO3)	1333-82-0	0.1 %
Arsenic acid	7778-39-4	0.1 %
Copper oxide	1317-38-0	1 % (related to Copper(+1) oxide) 1 % (related to Copper compounds, n.o.s.)

WHMIS Classification: D2A, D2B

## Additional Regulatory Information

### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

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## B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	MITI	PHIL	KOREA	ELINCS	CHINA
Chromium (VI) trioxide (CrO3)	1333-82-0	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Arsenic acid	7778-39-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Copper oxide	1317-38-0	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

### \*\*\* Section 16 - Other Information \*\*\*

#### Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

#### Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists. AICS = Australian Inventory of Chemical Substances. CAS = Chemical Abstract Service. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. CHEMTREC = Chemical Transportation Emergency Center. DSL = Canadian Domestic Substance List. EINECS = European Inventory of New and Existing Chemical Substances. ELINCS = European List of Notified Chemical Substances. EPA = Environmental Protection Agency. FIFRA = Federal Insecticide, Fungicide, and Rodenticide Act; HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Information System. IARC = International Agency for Research on Cancer. IDLH = Immediately Dangerous to Life and Health. MITI = Japanese Ministry of International Trade and Industry. NDSL = Canadian Non-Domestic Substance List. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. NA = Not available or Not Applicable. SARA = Superfund Amendments and Reauthorization Act. TDG = Transportation of Dangerous Goods. TLV = Threshold Limit Value. TSCA = Toxic Substances Control Act. WHMIS = Workplace Hazardous Materials Information System.

End of Sheet CSI-011U