

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## \*\*\*Section 1 - IDENTIFICATION\*\*\*

### Product Identifier:

SupaTimber® CCA Type C Pressure Treated Wood

### Recommended Use

Wood Treatment

### Restrictions on Use

None known

### Manufacturer Information

Call Viance at 800.421.8661 for the wood treater nearest your location.

### 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 - HAZARD(S) IDENTIFICATION\*\*\*

### Classification in accordance with 29 CFR 1910.1200.

Carcinogenicity, Category 1A  
Eye Damage / Irritation, Category 2B  
Skin sensitizer, Category 1B  
Germ Cell Mutagenicity, Category 1B  
Reproductive Toxicity, Category 2  
Respiratory Sensitizer, Category 1B  
Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory system)  
Harmful to Aquatic Life - Acute Hazard, Category 3

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

DANGER

#### Hazard Statement(s)

May cause cancer  
Causes eye irritation

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

May cause respiratory irritation  
May cause genetic defects  
Suspected of damaging fertility or the unborn child  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Harmful to aquatic life

## Precautionary Statement(s)

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves and eye/face protection. Use personal protective equipment as required. Avoid release to the environment.

### Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: If wood splinters are injected under the skin, get medical attention immediately. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.

### Storage

Store in a cool, dry, well-ventilated area. Store away from direct sunlight and any sources of heat. Do not store this material in open or unlabeled containers.

### Disposal

Dispose in accordance with all applicable local regulations.

### Hazard(s) Not Otherwise Classified

Combustible solid. Dust may form explosive mixtures with air. Wood dust is a potential health problem when wood particles from processes such as sanding, drilling, machining, and cutting become airborne. Inhalation of these particles may cause allergic respiratory symptoms, mucosal and non-allergic respiratory symptoms, and cancer.

## \* \* \*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\* \* \*

CAS	Component	Percent
Not Available	Wood/Wood dust	60-100
1333-82-0	Chromium (VI) trioxide (CrO <sub>3</sub> )	1-5
7778-39-4	Arsenic acid	1-5
1317-38-0	Copper oxide	0.5-1.5

### Component Related Regulatory Information

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

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## 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 EPA registered wood preservatives; EPA Registration No.: 10465-28 (CCA60%)  
EPA Est. No.: 10465-NC-1, 10465-GA-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\* \* \*

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

### Skin Contact

If wood splinters are injected under the skin, get medical attention immediately. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.

### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

### Most Important Symptoms/Effects

#### Acute

Eye irritation, allergic skin reaction,

#### Delayed

Respiratory ailments.

### Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

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

## \* \* \*Section 5 - FIRE-FIGHTING MEASURES\* \* \*

### General Fire Hazards

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

### Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

### Hazardous Decomposition Products

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

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## Special Protective Equipment and Precautions for Firefighters

Wear full protective fire-fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

**NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0 Other: 0**

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



## \*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

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

### Methods and Materials for Containment and Cleaning Up

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.

## \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

### Precautions for Safe Handling

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.

Avoid working with freshly treated wood. If not possible, cover exposed skin by wearing long-sleeve shirt, long pants, and gloves. Clothing should be removed and replaced if it becomes wet due to contact with freshly treated wet wood.

### Conditions for Safe Storage, including any Incompatibilities

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.

### Incompatibilities:

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

## \*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*

### Component Exposure Limits

Follow all applicable exposure limits. Components not listed below do not have exposure limits listed with ACGIH, OSHA or NIOSH. Exposure should be kept to a minimum.

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

**ACGIH:** 1 mg/m<sup>3</sup> TWA (inhalable fraction, related to Wood dusts)

**OSHA (Vacated):** 5 mg/m<sup>3</sup> TWA (related to Wood dust, all soft and hard woods)

10 mg/m<sup>3</sup> STEL (related to Wood dust, all soft and hard woods)

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

<b>NIOSH:</b>	1 mg/m <sup>3</sup> TWA (related to Wood dust, all soft and hard woods)
<b>Alberta:</b>	5 mg/m <sup>3</sup> TWA (total, related to Wood dust, all soft and hard woods)
<b>Manitoba:</b>	1 mg/m <sup>3</sup> TWA (all other species, inhalable fraction, related to Wood dust, all soft and hard woods)
<b>New Brunswick:</b>	5 mg/m <sup>3</sup> TWA (related to Wood dusts-soft woods) 10 mg/m <sup>3</sup> STEL (related to Wood dusts-soft woods)
<b>NW Territories:</b>	5 mg/m <sup>3</sup> TWA (related to Wood dust, all soft and hard woods) 10 mg/m <sup>3</sup> STEL (related to Wood dust, all soft and hard woods)
<b>Nova Scotia:</b>	1 mg/m <sup>3</sup> TWA (all other species, inhalable fraction, related to Wood dust, all soft and hard woods)
<b>Nunavut:</b>	5 mg/m <sup>3</sup> TWA (related to Wood dust, all soft and hard woods) 10 mg/m <sup>3</sup> STEL (related to Wood dust, all soft and hard woods)
<b>Ontario:</b>	5 mg/m <sup>3</sup> TWA (related to Wood dusts-soft woods) 10 mg/m <sup>3</sup> STEL (related to Wood dusts-soft woods)
<b>Quebec:</b>	5 mg/m <sup>3</sup> TWAEV (except red cedar, containing no Asbestos and <1% Crystalline silica, total dust, related to Wood dust, all soft and hard woods)
<b>Saskatchewan:</b>	Present (beech, birch, mahogany, oak, teak, walnut, related to Wood dust, all soft and hard woods) 5 mg/m <sup>3</sup> TWA (related to Wood dusts-soft woods) 10 mg/m <sup>3</sup> STEL (related to Wood dusts-soft woods)
<b>Yukon:</b>	5 mg/m <sup>3</sup> TWA (non-allergenic); 2.5 mg/m <sup>3</sup> TWA (allergenic, including cedar, mahogany, teak, related to Wood dust, all soft and hard woods) 10 mg/m <sup>3</sup> STEL (non-allergenic); 5 mg/m <sup>3</sup> STEL (allergenic, including cedar, mahogany, teak, related to Wood dust, all soft and hard woods)

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

<b>ACGIH:</b>	0.05 mg/m <sup>3</sup> TWA (related to Chromium)
<b>OSHA:</b>	0.005 mg CrO <sub>3</sub> /m <sup>3</sup> (8-hour TWA) for chromic acid and chromates 0.5 mg Cr/m <sup>3</sup> (8-hour TWA) for chromium(II) and chromium(III) compounds; and 1 mg Cr/m <sup>3</sup> (8-hour TWA) for chromium metal and insoluble salts.
<b>NIOSH:</b>	0.0002 mg/m <sup>3</sup> TWA (REL) (as Cr); 0.5 mg Cr/m <sup>3</sup> for chromium metal and chromium(II) and chromium(III) compounds.
<b>Alberta:</b>	0.05 mg m <sup>3</sup> TWA (as Cr, related to Chromium (VI) compounds- water soluble) 0.5 mg m <sup>3</sup> TWA (related to Chromium)
<b>British Columbia:</b>	0.5 mg/m <sup>3</sup> TWA (related to Chromium)
<b>Manitoba:</b>	0.5 mg/m <sup>3</sup> TWA (related to Chromium)
<b>New Brunswick:</b>	0.05 mg/m <sup>3</sup> TWA (as Cr, related to Chromium (VI) compounds- water soluble) 0.5 mg/m <sup>3</sup> TWA (related to Chromium)
<b>NW Territories:</b>	0.05 mg/m <sup>3</sup> TWA (as Cr, related to Chromium (VI) compounds- water soluble) 0.5 mg/m <sup>3</sup> TWA (related to Chromium) 0.15 mg/m <sup>3</sup> STEL (as Cr, related to Chromium (VI) compounds- water soluble) 1.5 mg/m <sup>3</sup> STEL (related to Chromium)
<b>Nova Scotia:</b>	0.5 mg/ m <sup>3</sup> TWA (related to Chromium)
<b>Nunavut:</b>	0.05 mg/m <sup>3</sup> TWA (as Cr, related to Chromium (VI) compounds- water soluble) 0.5 mg/m <sup>3</sup> TWA (related to Chromium) 0.15 mg/m <sup>3</sup> STEL (as Cr, related to Chromium (VI) compounds- water soluble) 1.5 mg/m <sup>3</sup> STEL (related to Chromium)
<b>Ontario:</b>	0.5 mg/m <sup>3</sup> TWA (related to Chromium)
<b>Quebec:</b>	0.5 mg/m <sup>3</sup> TWAEV (related to Chromium)
<b>Saskatchewan:</b>	Present (related to Chromium (VI) compounds) 0.05 mg/m <sup>3</sup> TWA (as Cr, related to Chromium (VI) compounds- water soluble)

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

0.5 mg/m<sup>3</sup> TWA (related to Chromium)  
0.15 mg/m<sup>3</sup> STEL (as Cr, related to Chromium (VI) compounds- water soluble)  
1.5 mg/m<sup>3</sup> STEL (related to Chromium)  
**Yukon:** 0.1 mg/m<sup>3</sup> TWA (as CrO<sub>3</sub>, related to Chromates)  
0.1 mg/m<sup>3</sup> TWA (related to Chromium)  
0.1 mg/m<sup>3</sup> STEL (as CrO<sub>3</sub>, related to Chromates)  
3.0 mg/m<sup>3</sup> STEL (related to Chromium)

## Arsenic acid (7778-39-4)

**ACGIH:** 0.01 mg/m<sup>3</sup> TWA (related to Arsenic)  
**OSHA:** 10 µg/m<sup>3</sup> TWA (Cancer hazard, See 29 CFR 1910.1018, except Arsine, as As); 5 µg/m<sup>3</sup> Action Level (as As, related to Arsenic, inorganic compounds)  
**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:** 0.01 mg/m<sup>3</sup> TWA; 0.05 mg/m<sup>3</sup> STEL (related to Arsenic)  
0.01 mg/m<sup>3</sup> TWA (designated substance regulation); 0.01 mg/m<sup>3</sup> TWA (applies to workplaces to which the designated substance regulation does not apply, related to Arsenic)  
0.05 mg/m<sup>3</sup> STEL (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)

**ACGIH:** 1 mg/m<sup>3</sup> TWA (as Cu, dust and mist, related to Copper compounds, n.o.s.)  
**OSHA:** 0.1 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
**NIOSH:** 0.1 mg/m<sup>3</sup> TWA (as Cu, fume)  
1 mg/m<sup>3</sup> TWA (as Cu, dust and mist, related to Copper compounds, n.o.s.)  
**Alberta:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
**British Columbia:** 1 mg/m<sup>3</sup> TWA (dust and mist); 0.2 mg/m<sup>3</sup> TWA (fume, related to Copper)  
**Manitoba:** 1 mg/m<sup>3</sup> TWA (as Cu, dust and mist, related to Copper compounds, n.o.s.)  
**New Brunswick:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
**NW Territories:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
0.6 mg/m<sup>3</sup> STEL (fume); 2 mg/m<sup>3</sup> STEL (dust and mist, related to Copper)  
**Nova Scotia:** 1 mg/m<sup>3</sup> TWA (as Cu, dust and mist, related to Copper compounds, n.o.s.)  
**Nunavut:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
0.6 mg/m<sup>3</sup> STEL (fume); 2 mg/m<sup>3</sup> STEL (dust and mist, related to Copper)  
**Ontario:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
**Quebec:** 0.2 mg/m<sup>3</sup> TWAEV (fume); 1 mg/m<sup>3</sup> TWAEV (dust and mist, related to Copper)

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

**Saskatchewan:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
0.6 mg/m<sup>3</sup> STEL (fume); 3 mg/m<sup>3</sup> STEL (dust and mist, related to Copper)  
**Yukon:** 0.2 mg/m<sup>3</sup> TWA (fume); 1 mg/m<sup>3</sup> TWA (dust and mist, related to Copper)  
0.2 mg/m<sup>3</sup> STEL (fume); 2 mg/m<sup>3</sup> STEL (dust and mist, related to Copper)

## Appropriate 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. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

## Personal Protective Equipment

### Eyes/Face Protection

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. Provide an emergency eye wash fountain in the immediate work area.

### Skin Protection

Wear chemical resistant clothing to prevent skin contact.

### Glove Recommendations

Wear puncture resistant work gloves, such as leather.

### Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists, or dust, appropriate NIOSH respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following regulatory requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

### PPE Pictograms:



## \* \* \*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\* \* \*

<b>Appearance:</b>	Light to dark green	<b>Physical State:</b>	Solid wood
<b>Odor:</b>	No odor	<b>Odor Threshold:</b>	None known.
<b>Color</b>	light to dark green.	<b>pH Level</b>	Not applicable
<b>Specific Gravity</b>	Not available	<b>Solubility Water</b>	Insoluble
<b>Melting Point</b>	Not applicable	<b>Boiling Point</b>	Not applicable
<b>Vapor Pressure</b>	Not available	<b>Vapor Density</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable.	<b>Flash Point</b>	Not applicable
<b>Flash Point Method</b>	Not available	<b>Auto Ignition</b>	Not available
<b>UFL</b>	Not available	<b>LFL</b>	Not available
<b>Flamm Class</b>	Flammable	<b>Octanol-Water Coefficient</b>	Not applicable

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

Decomposition Temperature None known.

## \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid extreme heat and contact with incompatible materials

### Incompatible Materials

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.

## \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

### Acute

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.

### Acute Toxicity

#### Component Analysis - LD50/LC50

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

Inhalation LC50 Rat 0.217 mg/L 4 h; Oral LD50 Rat 50 mg/kg; Dermal LD50 Rabbit 55 mg/kg  
15 mg/m<sup>3</sup> IDLH (as Cr<sub>VI</sub>)

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

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



# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## Copper oxide (1317-38-0)

100 mg/m<sup>3</sup> IDLH (as Cu, dust and mist, related to Copper compounds, n.o.s.)

## Information on Likely Routes of Exposure

### Inhalation

May cause respiratory tract irritation.

### 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.

### Skin Contact

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.

### Eye Contact

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

### Immediate Effects

Skin irritation, eye irritation, respiratory tract irritation

### Delayed Effects

Based on the toxicity of chromium compounds in general, chronic exposure to chromium trioxide may cause irritant and allergic dermatitis and deep, slow-healing skin ulcers, as well as an ulcerated or perforated nasal septum. Chronic inhalation exposure may cause bronchospasm (asthma) or emphysema.

Chronic arsenic intoxication by ingestion is characterized by weakness, anorexia, gastrointestinal disturbances, impairment of cognitive function, peripheral neuropathy, and skin disorders. Liver damage has also been observed in animals after both ingestion and inhalation of arsenic compounds.

Chronic exposure to copper and its salts may cause rare cases of anemia (from hemolytic effects) and allergic contact dermatitis.

### Medical Conditions Aggravated by Exposure

Pre-existing eye, respiratory system and skin conditions. Overexposure can cause damage to the central nervous system, lungs, blood, liver and kidneys.

### Irritation/Corrosivity Data

Respiratory tract irritation, skin burns, eye burns

### Respiratory Sensitization

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

Inhalation of chromium trioxide may cause allergic or asthmatic symptoms or breathing difficulties.

### Dermal Sensitization

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

Chronic exposure to chromium trioxide may cause irritant and allergic dermatitis and deep, slow-healing skin ulcers.

### Germ Cell Mutagenicity

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

Chromium trioxide is suspected of causing genetic defects.

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## Carcinogenicity

### Component Carcinogenicity

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

- ACGIH:** A4 - Not Classifiable as a Human Carcinogen (related to Wood dusts)  
**NIOSH:** potential occupational carcinogen (related to Wood dust, all soft and hard woods)  
**NTP:** Known Human Carcinogen (Select Carcinogen, related to Wood dust, all soft and hard woods)  
**IARC:** Monograph 100C [2012]; Monograph 62 [1995] (Group 1 (carcinogenic to humans), related to Wood dust, all soft and hard woods)

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

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

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

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

## Reproductive Toxicity

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

Suspected of damaging fertility, or the unborn child

## Specific Target Organ Toxicity - Single Exposure

No data available for this product.

## Specific Target Organ Toxicity - Repeated Exposure

No data available for this product.

## Aspiration Hazard

Not expected to be an aspiration hazard.

## \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

### Ecotoxicity

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 terrestrial and aquatic plant or animal life.

### Component Analysis - Aquatic Toxicity

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

##### Test & Species

96 Hr LC50 *Colisa fasciatus*

40 mg/L

24 Hr EC50 water flea

435 µg/L

##### Conditions

Static

related to Chromium (VI)

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## Arsenic acid (7778-39-4)

### Test & Species

96 Hr LC50 Pimephales promelas	25.6 mg/L
96 Hr LC50 Lepomis macrochirus	43-59 mg/L
96 Hr LC50 Lepomis macrochirus	39-110 mg/L
96 Hr LC50 Oncorhynchus mykiss	42.09-66.86 mg/L

### Conditions

Flow-through  
Static  
Static

## Copper oxide (1317-38-0) [related to copper]

### Test & Species

96 Hr LC50 Pimephales promelas	0.0068 - 0.0156 mg/L
96 Hr LC50 Pimephales promelas	<0.3 mg/L
96 Hr LC50 Pimephales promelas	0.2 mg/L
96 Hr LC50 Oncorhynchus mykiss	0.052 mg/L
96 Hr LC50 Lepomis macrochirus	1.25 mg/L
96 Hr LC50 Cyprinus carpio	0.3 mg/L
96 Hr LC50 Cyprinus carpio	0.8 mg/L
96 Hr LC50 Poecilia reticulata	0.112 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata	0.0426 - 0.0535 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata	0.031 - 0.054 mg/L
48 Hr EC50 Daphnia magna	0.03 mg/L

### Conditions

Static  
Flow-through  
Flow-through  
Static  
Semi-static  
Static  
Flow-through; related to Copper  
Static  
Static; related to Copper  
Static; related to Copper

## Bioaccumulation Potential

No data available.

## Mobility in Soil

No data available.

## Biodegradation

No data available.

## \*\*\*Section 13 - DISPOSAL CONSIDERATIONS\*\*\*

### Disposal Methods

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. If discarded, this product as supplied is not considered a RCRA waste according to 40 CFR 261.4(b)(9).

### Component Waste Numbers

#### Chromium 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)

## \*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*

## US DOT Information

Shipping Name: Not regulated

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## Canada Transportation of Dangerous Goods Information

Shipping Name: Not regulated

### \*\*\*Section 15 - REGULATORY INFORMATION\*\*\*

#### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 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 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)

**CERCLA:** 5000 lb (2270 kg) RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers, related to Chromium)

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

**SARA 313:** 0.1 % de minimis concentration (related to Arsenic)

**CERCLA:** 1 lb final RQ; 0.454 kg final RQ

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

**SARA 313:** 1.0 % de minimis concentration (except Copper phthalocyanine compounds substituted only with Hydrogen and/or Bromine and/or Chlorine, Chemical Category N100, related to Copper compounds, n.o.s.)

**CERCLA:** 5000 lb (2270 kg) RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers), related to Copper)

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

#### Federal Insecticide, Fungicide, and Rodenticide Act

This product is registered with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) under Environmental Protection Agency regulations.

EPA Registration No.:10465-28 (CCA 60%)

EPA Est. No.: 10465-NC-1, 10465-GA-1

This material contains the following chemicals present on either the Listing of Pesticide Chemicals (40 CFR 180) or Pesticides Classified for Restricted Use as listed by FIFRA :

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

**FIFRA** Section number 180.180

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

**FIFRA** Section number 180.1021

#### Component Marine Pollutants

This material contains one or more of the following chemicals required by US DOT to be identified as marine pollutants.

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

Component	CAS	
Copper oxides	1317-38-0	DOT regulated severe marine pollutant (powder, related to Copper (Copper Compound))

## U.S. State Regulations

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

Component	CAS	CA	MA	MN	NJ	PA
Wood/Wood dust (¹related to: Wood dust, all soft and hard woods) (²related to: Wood dusts-soft woods)	Not Available	No	No	Yes¹	Yes¹	Yes²
Chromium (VI) trioxide (CrO <sub>3</sub> ) (¹related to: Chromium)	1333-82-0	Yes¹	Yes	Yes¹	Yes	Yes
Arsenic acid (¹related to: Arsenic)	7778-39-4	Yes¹	Yes	Yes¹	Yes	Yes
Copper oxide (¹related to: Copper compounds, n.o.s.)	1317-38-0	Yes¹	No	No	Yes¹	Yes¹

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! Drilling, sawing, sanding, or machining wood products generate wood dust and other substances 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.

## WHMIS Classification(s)

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

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

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

0.1 % (related to Chromium (VI) compounds)

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

0.1 %

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

1 % (related to Copper compounds, n.o.s.)

**WHMIS Classification:** D1A, D2A

## Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	MITI	PHIL	KOREA	ELINCS	CHINA
Chromium trioxide (CrO <sub>3</sub> )	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

# Safety Data Sheet

CCA Type C Pressure Treated Wood

SDS ID: 253

## \*\*\*Section 16 - OTHER INFORMATION\*\*\*

### Date of Preparation

New SDS: 01/22/2015 v1.0

### Key / Legend

**ACGIH** = American Conference of Governmental Industrial Hygienists; **AU** = Australia; **BOD** - Biochemical Oxygen Demand; **C** - Celsius; **CA** - Canada; **CAS** = Chemical Abstracts Service; **CERCLA** = Comprehensive Environmental Response, Compensation, and Liability Act; **CFR** = Code of Federal Regulations; **CN** = China; **CPR** = Controlled Products Regulations; **DOT** = Department of Transportation; **DSL** = Domestic Substances List; **EINECS** = European Inventory of Existing Commercial Chemical Substances; **ELINCS** = European List of Notified Chemical Substances; **EPA** = Environmental Protection Agency; **ERG** = Emergency Response Guide; **EU** = European Union; **F** - Fahrenheit; **HEPA** = High Efficiency Particulate Air; **HMIS** = Hazardous Material Information System; **HPV** – High Production Volume Chemical (EU); **IARC** = International Agency for Research on Cancer; **IATA** = International Air Transport Association; **ICL** – In Commerce List (Canada); **IDL** - Ingredient Disclosure List; **IDLH** - Immediately Dangerous to Life and Health; **JP** = Japan; **KR** = Korea; **LEL** - Lower Explosive Limit; **MITI** = Japan Ministry of International Trade and Industry; **mg/Kg** = milligrams per Kilogram; **mg/L** = milligrams per Liter; **mg/m<sup>3</sup>** = milligrams per Cubic Meter; **MSHA** = Mine Safety and Health Administration; **NA** = Not Applicable or Not Available; **NFPA** = National Fire Protection Association; **NIOSH** = National Institute for Occupational Safety and Health; **NJTSR** = New Jersey Trade Secret Registry; **NTP** = National Toxicology Program; **NZ** = New Zealand; **OSHA** = Occupational Safety and Health Administration; **PH** = Philippines; **RCRA** = Resource Conservation & Recovery Act; **SARA** = Superfund Amendments and Reauthorization Act; **STEL** = Short Term Exposure Limit; **TDG** = Transport Dangerous Goods; **TSCA** = Toxic Substances Control Act; **TWA** - Time Weighted Average; **UEL** - Upper Explosive Limit; **US** - United States; **WHMIS** = Workplace Hazardous Materials Information System.

### Other Information

**Disclaimer:** Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

End of Sheet  
VIA-253