

## Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

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

**Material Name:** Pentachlorophenol Pressure Treated Wood

**Trade Names/Synonyms**

Penta-treated wood

**Recommended Use**

Poles, timber, Cross-Arms

**Restrictions on Use**

Pentachlorophenol pressure treated wood is treated with a Restricted Use Pesticide regulated under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and must be used for applications consistent with the product label and the American Wood Protection Association (AWPA) Use Category System as set forth in the most current edition.

**Manufacturer Information**

Stella-Jones Corporation  
Park West One, Suite 500  
1000 Cliff Mine Road  
Pittsburgh, PA 15275  
Phone: 412-325-0202

McFarland Cascade Holdings. Inc.  
1640 East Marc  
Tacoma, Washington 98421  
Phone: 253-572-3033

CHEMTREC@: 800-424-9300 (Intl. 703-527-3887)

### \*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\*

**Classification in accordance with 29 CFR 1910.1200**

Combustible Dust

Skin Corrosion / Irritation, Category 2

Eye Damage / Irritation, Category 2A

Respiratory sensitizer, Category 1

Skin sensitizer, Category 1

Carcinogenicity, Category 1A

Toxic to Reproduction, Category 1B

Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory tract)

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

DANGER

**Hazard Statement(s)**

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause cancer.

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

May damage fertility or the unborn child.  
May cause respiratory irritation.  
May form combustible dust concentrations in air

## Precautionary Statement(s)

### Prevention

Wash thoroughly after handling. Wear protective gloves and eye/face protection. Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

### Response

IF EXPOSED OR CONCERNED: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Storage

Store in a well-ventilated place. Store locked up.

### Disposal

Dispose in accordance with all applicable regulations.

### Hazard(s) Not Otherwise Classified

No information is available.

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

CAS	Component	Percent
Not Available	Wood/Wood Dust	>84
67784-80-9	Soybean oil, methyl ester	≤15
87-86-5	Pentachlorophenol	≤1

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Wood dusts - hard wood, Wood dust, all soft and hard woods, Wood dusts (all other wood dusts), Wood dusts, birch, mahogany, teak, walnut.

### Other Information

The above values may vary slightly due to the variability of treatment and the natural variability of wood. The above percentage ranges are in compliance with the Canadian Workplace Hazardous Information System (WHIMIS).

## \*\*\*Section 4 - FIRST AID MEASURES\*\*\*

### Description of Necessary Measures

#### Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

## Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. DO NOT rub until skin is free of sawdust and preservative material. Call a physician if irritation persists. If wood splinters are injected under skin, get medical attention immediately.

## Eyes

Flush eyes with plenty of water for at least 15 minutes. DO NOT rub eyes. Remove contact lenses, if present and easy to do. Continue rinsing. Then get immediate medical attention.

## Ingestion

If swallowed, get medical attention. Do not induce vomiting unless told to do so by the poison control center or doctor. Never make an unconscious person vomit or drink fluids.

## Most Important Symptoms/Effects

### Acute

Respiratory tract irritation, skin irritation, eye irritation, allergic reactions

### Delayed

Allergic reactions, cancer hazard (in humans), reproductive effects

## Indication of Immediate Medical Attention and Special Treatment

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

#### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.  
Large fires: Use water spray, fog or regular foam.

#### Unsuitable Extinguishing Media

Halon

#### Specific Hazards Arising from the Chemical

Slight fire hazard. Combustible dust. Dust/air mixtures may ignite or explode.

#### Hazardous Combustion Products

**Combustion:** carbon monoxide, carbon dioxide, chlorinated dibenzodioxins, dibenzofurans

#### Fire Fighting Measures

Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Use extinguishing agents appropriate for surrounding fire.

#### Special Protective Equipment and Precautions for Firefighters

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

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

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

Collect debris and used material in appropriate container for disposal. Powdered material may form explosive dust-air mixtures. Wet down area with water. Avoid generating dust. Avoid accumulation of airborne dusts. Sweep and scoop spilled material into clean, dedicated equipment. Clean up residue with vacuum. Keep unnecessary people away, isolate hazard area and deny entry.

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

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

### Precautions for Safe Handling

Follow good hygienic and housekeeping practices. Clean-up areas where wood dust settles to avoid excessive accumulation of this combustible material. Minimize practices that generate airborne dust. When possible, conduct dust-generating activities outdoors to avoid indoor accumulations of airborne dust from treated wood. Avoid prolonged or repeated skin contact with this material. Avoid breathing dust. When handling treated wood, wear washable or disposable coveralls or long-sleeved shirt and long pants, chemical resistant gloves, and socks plus industrial grade safety boots with chemical resistant soles. Wear protective eye/face protection. In case of inadequate ventilation wear respiratory protection. To reduce sun sensitivity, a sun-blocking lotion (SPF15+) can also be applied. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Thoroughly clean and dry contaminated clothing and shoes before reuse. Treated wood is intended for exterior/outdoor uses only.

### Conditions for Safe Storage, including any Incompatibilities

Store in accordance with all current regulations and standards. Store outdoors. Protect from physical damage. Avoid excessive heat and ignition sources. Keep away from incompatible materials.

**Incompatibilities:** strong acids, strong oxidizing materials

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

### Component Exposure Limits

#### Wood/Wood Dust (Not Available)

- ACGIH:** 1 mg/m<sup>3</sup> TWA (inhalable fraction, related to Wood dusts (all other wood dusts))
- NIOSH:** 1 mg/m<sup>3</sup> TWA (related to Wood dust, all soft and hard woods)
- 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)
- Mexico:** 1 mg/m<sup>3</sup> TWA LMPE-PPT (related to Wood dusts-hard wood)

#### Pentachlorophenol (87-86-5)

- ACGIH:** 0.5 mg/m<sup>3</sup> TWA  
Skin - potential significant contribution to overall exposure by the cutaneous route
- NIOSH:** 0.5 mg/m<sup>3</sup> TWA  
Potential for dermal absorption  
2.5 mg/m<sup>3</sup> IDLH
- OSHA (US):** 0.5 mg/m<sup>3</sup> TWA  
prevent or reduce skin absorption
- OSHA (vacated):** 0.5 mg/m<sup>3</sup> TWA  
Prevent or reduce skin absorption
- Mexico:** 0.5 mg/m<sup>3</sup> TWA LMPE-PPT  
1.5 mg/m<sup>3</sup> STEL [LMPE-CT]  
Skin - potential for cutaneous absorption

### Appropriate Engineering Controls

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

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

## Individual Protection Measures, such as Personal Protective Equipment

### Eyes/Face Protection

Wear safety glasses with side shields. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

### Skin Protection

Wear appropriate chemical resistant clothing. When handling treated wood, wear washable or disposable coveralls or long-sleeved shirt and long pants, chemical resistant gloves, and socks plus industrial grade safety boots with chemical resistant soles.

### Glove Recommendations

Wear leather or other appropriate work gloves, if necessary for type of operation. Individuals must wear gloves impervious to the wood treatment formulations in all situations where dermal contact with pentachlorophenol is expected.

### Respiratory Protection

When sawing and machining treated wood, wear a dust mask.

If the applicable TLVs and/or PELs are exceeded, use canister or cartridge respirators, which are MSHA/NIOSH-approved, with high-efficiency particulate filters.

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

<b>Physical State:</b>	Solid	<b>Appearance:</b>	tan to dark-brown, Solid wood.
<b>Color:</b>	tan to dark-brown	<b>Physical Form:</b>	Solid wood.
<b>Odor:</b>	slight petroleum odor	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not applicable	<b>Melting Point:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Flash Point:</b>	Not applicable
<b>Decomposition:</b>	Not available	<b>Evaporation Rate:</b>	Not applicable
<b>LEL:</b>	Not available	<b>UEL:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density (air = 1):</b>	Not applicable
<b>Density:</b>	Not applicable	<b>Specific Gravity (water = 1):</b>	Not available
<b>Water Solubility:</b>	Insoluble	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Auto Ignition:</b>	Not available	<b>Volatility:</b>	Not applicable

## Other Property Information

No additional information is available.

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

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition.

### Incompatible Materials

Strong acids, strong oxidizing materials

### Hazardous Decomposition

**Combustion:** Carbon monoxide, carbon dioxide, chlorinated dibenzodioxins, dibenzofurans

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

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

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

### Information on Likely Routes of Exposure

#### Inhalation

Irritation, allergic reactions, dryness, coughing, sneezing, sore throat, wheezing, chronic bronchitis, nosebleed, nausea, vomiting, loss of appetite, chest pain, difficulty breathing, irregular heartbeat, visual disturbances, headache, drowsiness, dilated pupils, lung damage, kidney damage, liver damage, nasal cancer, paranasal sinus cancer

#### Ingestion

Irritation, nausea, vomiting, loss of appetite, difficulty breathing, irregular heartbeat, headache, drowsiness

#### Skin Contact

Allergic reactions, irritation, burns, redness, skin disorders, irregular heartbeat, difficulty breathing, headache, visual disturbances, kidney damage, liver damage

#### Eye Contact

Irritation, redness, tearing, eye damage

#### Immediate Effects

Respiratory tract irritation, skin irritation, eye irritation, allergic reactions

#### Delayed Effects

Allergic reactions, cancer hazard (in humans), reproductive effects

#### Medical Conditions Aggravated by Exposure

Medical conditions include eye disorders, respiratory disorders, and skin disorders.

#### Irritation/Corrosivity Data

Respiratory tract irritation, skin irritation, eye irritation

#### Respiratory Sensitization

Yes

#### Dermal Sensitization

Yes

#### Carcinogenicity

Known Human Carcinogen

#### Component Carcinogenicity

##### Wood/Wood Dust (Not Available)

**ACGIH:** A1 - Confirmed Human Carcinogen (related to Wood dusts-hard wood)

**IARC:** Monograph 100C [2012]; Monograph 62 [1995] (Group 1 (carcinogenic to humans), related to Wood dust, all soft and hard woods)

**NTP:** Known Human Carcinogen (related to Wood dust, all soft and hard woods)

##### Pentachlorophenol (87-86-5)

**ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

**IARC:** Monograph 71 [1999]; Monograph 53 [1991] (Group 2B (possibly carcinogenic to humans))

#### Mutagenic Data

No data available.

#### Reproductive Effects Data

PENTACHLOROPHENOL has demonstrated animal effects of reproductive toxicity.

#### Specific Target Organ Toxicity - Single Exposure

Respiratory tract

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

## Specific Target Organ Toxicity - Repeated Exposure

No data available.

## Aspiration Hazard

No data available.

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

### Ecotoxicity

No data available for this product. Components of this product are hazardous to aquatic life. Very toxic to aquatic life.

### Component Analysis - Aquatic Toxicity

#### Pentachlorophenol (87-86-5)

**Fish:** 96 Hr LC50 Pimephales promelas: 0.079 - 0.187 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 0.11 - 0.49 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 0.031 - 0.038 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 0.102 - 0.128 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.103 - 0.129 mg/L [flow-through]; 96 Hr LC50 Oryzias latipes: 0.170 - 0.3 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 0.36 mg/L

**Algae:** 96 Hr EC50 Pseudokirchneriella subcapitata: 0.005 - 0.3 mg/L [static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 0.1 mg/L [static]; 72 Hr EC50 Desmodesmus subspicatus: 0.183 mg/L [static]

**Invertebrate:** 48 Hr EC50 Daphnia magna: 0.138 - 0.307 mg/L [Static]

### Persistence and Degradability

No data available for the mixture.

### Bioaccumulative Potential

No data available for the mixture.

### Mobility

No data available for the mixture.

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

### Disposal Methods

Dispose of in an approved landfill according to Federal, State, Provincial, and local regulations. Treated wood should not be burned in open fires or in stoves, fireplaces or residential boilers, because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g., construction sites) may be burned only in commercial or industrial incinerators or boilers in accordance with state and federal regulations.

### Waste Numbers

#### Pentachlorophenol (87-86-5)

RCRA: Waste Number F027

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

### US DOT Information

Not regulated.

### US DOT Reportable Quantities

#### Pentachlorophenol (87-86-5)

10 lbs RQ; 4.54 kg RQ

### TDG Information

Not regulated.

# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

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

### Component Analysis

#### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

#### Pentachlorophenol (87-86-5)

**SARA 313:** 0.1 % de minimis concentration

**CERCLA:** 10 lb final RQ; 4.54 kg final RQ

#### FIFRA Information

No data available.

#### SARA 311/312 Hazardous Categories

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

#### 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-hard wood)	Not Available	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>2</sup>
Pentachlorophenol	87-86-5	Yes	Yes	Yes	Yes	Yes

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.

#### Canada

WHMIS CLASSIFICATION: D2A, D2B.

#### Component Analysis - Inventory

Component	CAS	US	CA
Soybean oil, methyl ester	67784-80-9	Yes	DSL
Pentachlorophenol	87-86-5	Yes	DSL



# Safety Data Sheet

Material Name: Pentachlorophenol Pressure Treated Wood

SDS ID: STE-016

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

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

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

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; 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.; CPR - Controlled Products Regulations; DSL - Domestic Substances List; EPA - Environmental Protection Agency; IARC - International Agency for Research on Cancer; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund

Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

### Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Read the Safety Data Sheet before handling product.

End of Sheet STE-016