



# Mataverde ThermaWood Hem Fir Siding and Decking with Thermex-FR

## Mataverde ThermaWood Hem Fir Siding and Decking with Thermex-FR

Protect your investment with the safety and ignition resistance of Thermex-FR. Take advantage of the great looks and natural beauty of sustainable Thermally Modified Hem Fir fire retardant treated decking and siding.

**Mataverde ThermaWood with Thermex-FR** meets or surpasses the following code requirements:

- WUI (Wildland Urban Interface)
- IWUI (International Wildland Urban Interface)
- [ICC \(International Code Council\)](#)

### About Thermex-FR:

- Non-Toxic
- Mar-free on graded side of board
- KDAT Kiln dried after treatment
- One-time factory treatment is permanent
- [Limited Lifetime Warranty](#)

**MATAVERDE FIRE RETARDANT TREATED HEM FIR NOW AVAILABLE IN DECKING AND T&G SIDING PROFILES**

### 1 x 6 T&G Siding (11/16" x 5-3/8")



*T&G 633EE R-1 Re-Sawn / Smooth Reversible Face profile*



*T&G "Nickel Gap" siding profile*

### 5/4 x 6 Decking (1" x 5-1/2")



*5/4 x 6 S4S E4E decking profile*

**Mataverde ThermaWood FR A & Better Hemlock** is a clear vertical grain siding material treated with Thermex-FR.

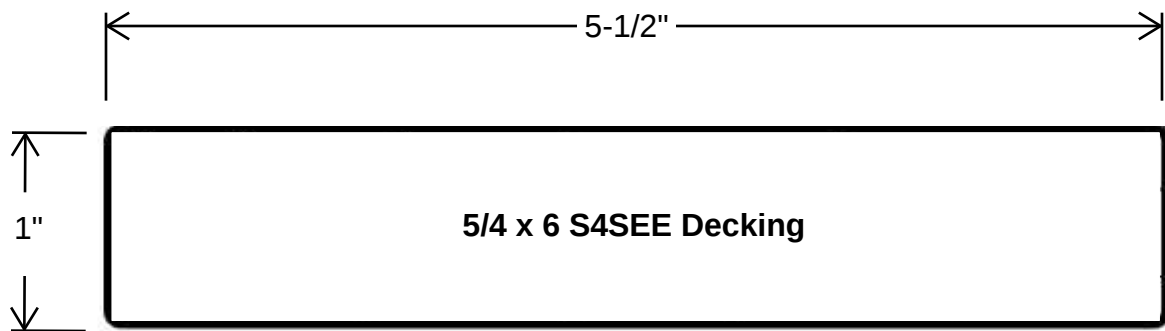
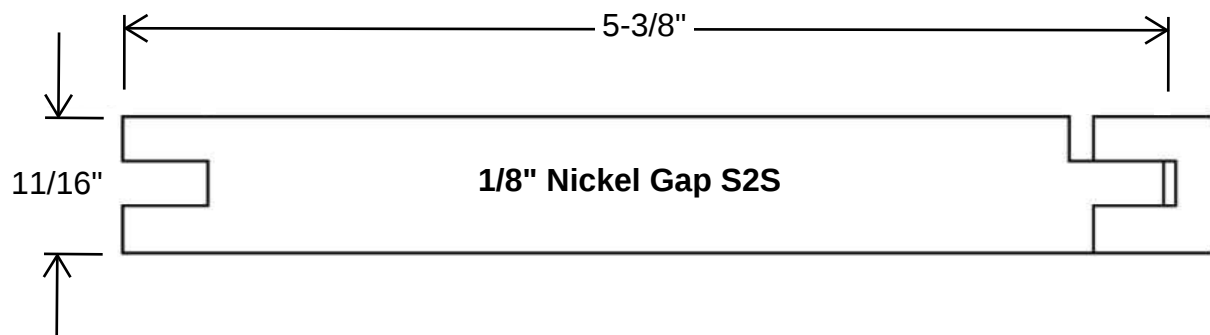
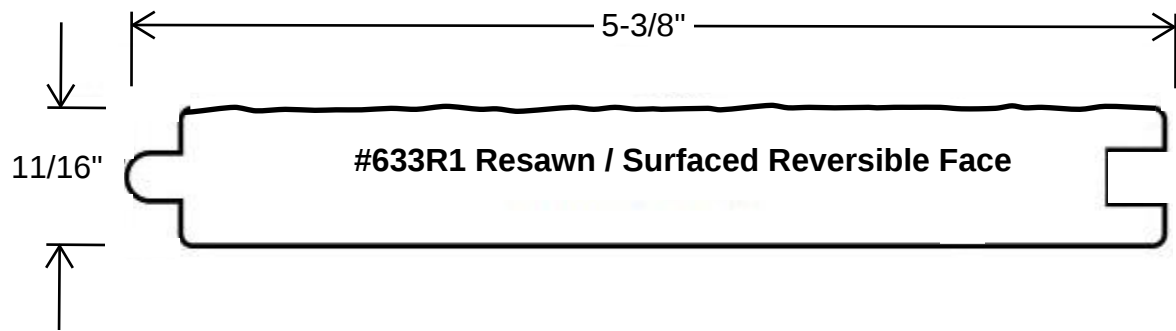
**Mataverde ThermaWood FR C & Better Hemlock** is a clear vertical grain decking material treated with Thermex-FR.

**Contact us for additional information:**

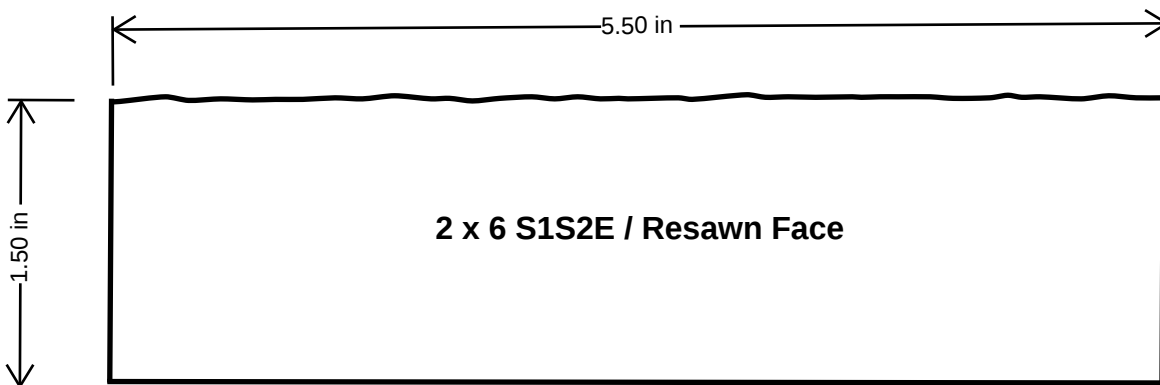
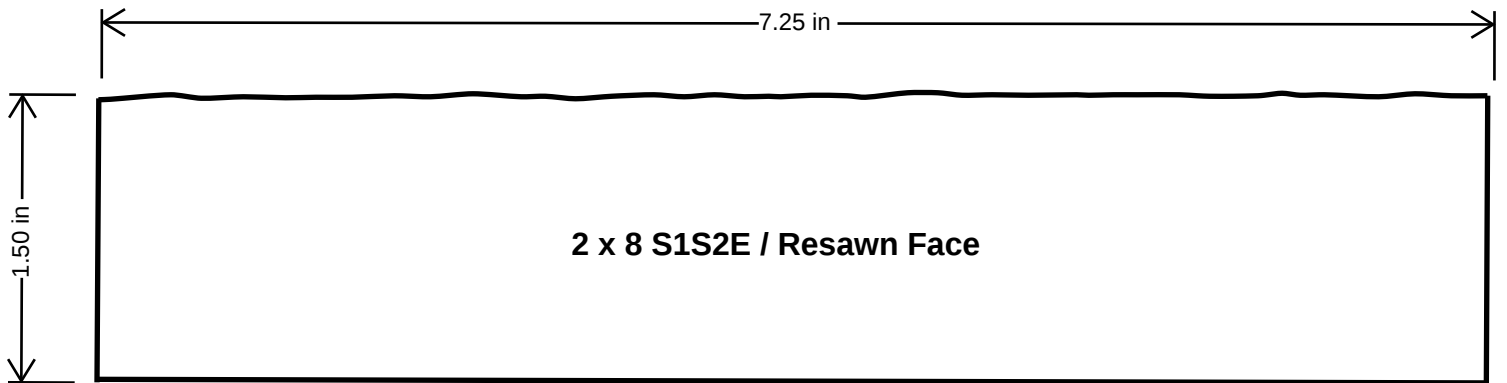
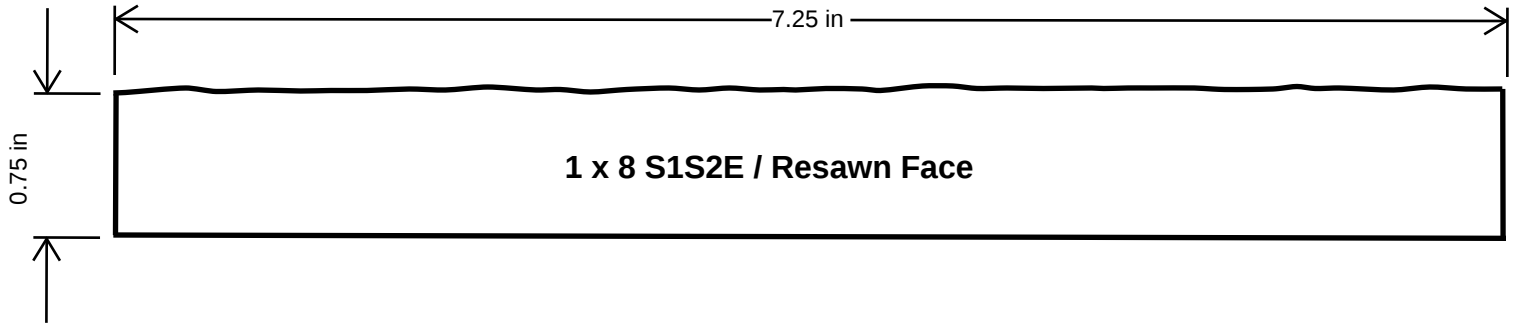
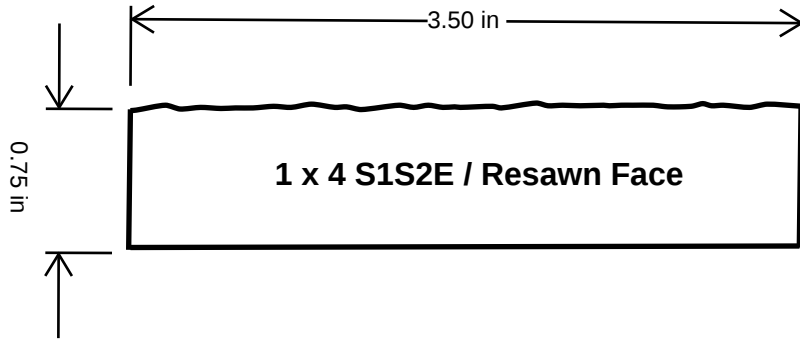
West Coast and Rocky Mountain States (707) 794-0510 ♦♦♦ East Coast and States East of the Rockies (860) 444-9663

[www.mataverdedecking.com](http://www.mataverdedecking.com)

## Thermawood Thermex-FR Siding & Decking Profiles



## Thermawood w/Thermex-FR Resawn Trim Profiles



# READ THIS FIRST!

Only a Registrant may become a party to and thereby benefit from this Limited Lifetime Warranty Agreement.

This Warranty is non-transferable and applies solely to the original registered owner of a structure at the time the Chemco treated wood was installed. If the installed building or structure is a newly built home or building, and title is initially held by the original builder or developer who purchased and installed the material, then the warranty may still be registered by the first subsequent new homeowner within (120) days upon completion of the sale and the new homeowner has taken possession of the property.

To become a Registrant, a party must timely complete, sign and mail in this Limited Lifetime Warranty on Fire Retardant Treatment of Exterior Use Wood Products Registration form found on the reverse side of this sheet to Chemco, Inc. to its corporate headquarters at the appropriate address listed below:

**In Canada, Send to:**  
**Warranty Registration**  
P.O. Box 3280  
Mission, BC, Canada V2V 4J4

**In the USA, Send to:**  
**Warranty Registration**  
P.O. Box 875  
Ferndale, WA, USA 98248

## INCLUDED WITH YOUR REGISTRATION:

The Original Owner must within the (120) day period after installation of the Chemco treated product include with their mail in registration form: a) proof of purchase either by a copy of the original invoice, along with a Chemco treatment certification lumber tag taken from the treated material, or b) a copy the certificate of treatment which would have been provided by Chemco along with the material. If neither can be produced then the homeowner must otherwise be able verify to Chemco's satisfaction that the product is a Chemco treated product.

## HOW TO ACTIVATE YOUR CERTIFICATE FOR THE LIMITED LIFETIME WARRANTY

- STEP 1:** FILL OUT THE REGISTRATION FORM ON THE REVERSE SIDE OF THIS PANEL. DO NOT DETACH THE REGISTRATION FORM FROM THE CERTIFICATE.
- STEP 2:** MAKE A COPY OF THIS FORM FOR YOUR RECORDS.
- STEP 3:** RETURN THE COMPLETED REGISTRATION FORM ALONG WITH A COPY OF YOUR INVOICE, PROOF OF PURCHASE, AND CERTIFICATION OF TREATMENT.



[www.chemco.org](http://www.chemco.org)



Registration form & Warranty for:

**Limited  
Lifetime  
Warranty**  
ON FIRE RETARDANT  
TREATMENT OF EXTERIOR  
USE WOOD PRODUCTS



CHEMCO'S LIMITED LIFETIME WARRANTY ON FIRE RETARDANT TREATMENT OF EXTERIOR USE WOOD PRODUCTS

**THIS LIMITED LIFETIME WARRANTY AGREEMENT (“WARRANTY”) IS BETWEEN CHEMCO, INC. (“CHEMCO”) AND THE REGISTERED OWNER (DEFINED BELOW). THE WARRANTY IS FOR THE USEFUL LIFE OF THE TREATED PRODUCTS AND COVERS CHEMCO'S FIRE RETARDANT TREATMENT (‘WARRANTED TREATMENT’) OF DECKING, PLYWOOD SHEATHING, SIDING, LUMBER, SOFFIT, AND FACIA WOOD PRODUCTS FOR EXTERIOR USE (“PRODUCT” OR “PRODUCTS”). THE TERMS OF THE WARRANTY ARE SET OUT BELOW.**

**USEFUL LIFE LIMITED WARRANTY.** The Warranted Treatment will meet or exceed the fire retardation standard set forth in the applicable provisions of ASTM E-84 and ASTM D2898 in effect at the time of treatment for the treated Product's useful life.

**PERSONS COVERED.** This Warranty is non-transferable and applies solely to the original registered owner of a structure at the time the Chemco treated wood was installed. If the installed building or structure is a newly built, unoccupied home or building, and title is initially held by the original builder or developer who purchased and installed the material, then the warranty may be registered by the first subsequent new homeowner within (120) days upon completion of the sale and the new homeowner has taken possession of the property. YOU MUST REGISTER TO BENEFIT FROM THIS LIMITED WARRANTY. For instructions on how you must register to qualify, please see the reverse side of this document.

**CLAIM PROCESS.** WITHIN THIRTY (30) DAYS after discovery of a possible failure, breach or defect, the registered Owner must send a detailed written description of the problem to Chemco, Attn. Warranty Claims, P.O. Box 875, WA 98248. Chemco reserves the right to have a representative inspect the treated Product at the registered structure and to remove Product samples from the structure. Results or reports of any testing by or for Registrant must be shared with Chemco along with a certification that the Product tested was removed from the Owner's registered structure. ANY ALTERATION, REMOVAL OR REPAIR OF THE ALLEGEDLY DEFECTIVE PRODUCT PRIOR TO A REASONABLE OPPORTUNITY FOR CHEMCO TO INSPECT SHALL BAR ANY RIGHTS FOR RELIEF A REGISTERED OWNER WOULD OTHERWISE HAVE UNDER THIS WARRANTY.

**EXCLUSIVE REMEDY.** In the event of a breach of the warranty followed by a documented and timely warranty claim, Chemco will, at its sole option, either: (i) pay to the registered Owner of the registered structure a “pro rata refund” based on the amount paid by the Original Owner that represents the cost of the Warranted Treatment of the affected Product and multiplying that sum by the percentage of the useful life of the Product remaining or (ii) provide the registered Owner at no charge with replacement Chemco fire retardant treatment services on complying Product provided at the Owner's cost. These remedies are the sole and exclusive remedies available to a registered Owner against Chemco or its affiliates, owners, managers, officers, employees, resellers, agents, or representatives under this Warranty or otherwise, under any legal theory, on account of some negligence or misconduct by Chemco (or its resellers, agents, employees, owners, or officers), or breach of warranty or defect in or problem with the Warranted Treatment.

**LIMITATIONS AND EXCLUSIONS.** This Warranty is not effective unless either each piece of applicable treated product installed in the registered structure had a Chemco treatment label and applicable treatment certification or the homeowner must be able to produce the certification of treatment that was issued by Chemco. This Warranty only covers the Warranted Treatment, not the underlying Products themselves. Chemco does not warrant the merchantability or fitness of the underlying Products for any specific use, or the Products’ compliance with any applicable grading or labeling requirements. This Warranty is only effective if 100% of the applicable fire retardant treated Product in the installed structure was treated by Chemco.

The following exclusions apply to this Warranty:

- Misapplication, Faulty Design, Improper Installation or Maintenance.** The Warranty does not apply to any defect caused by (a) construction workmanship, (b) use of substandard, noncomplying or improper materials, components or fasteners, (c) improper handling, transport, storage (Product should be kept dry), or installation, (d) application of the treated Product for a use or purpose not recognized or recommended by Chemco's specifications, applicable building codes, or good construction practices (e) failure to follow or comply with applicable construction or installation instructions, standards, codes or requirements, (f) faulty design, (g) improper milling or surfacing, (h) ground contact installation or lack of proper drainage; (i) lack of regular and proper maintenance, (j) improper or incorrectly performed or attempted repair, (k) misapplication of solvents, chemicals, or cleaning materials; or (l) improper or inadequate underlayment or ventilation, (m) failure to remove buildup of debris or overgrowth of vegetation.
- Additional Costs.** Tear-off costs (demolition or removal of materials, products, underlayment, etc.) and the cost of installing, repairing or replacing venting, metal work, flashings, underlayment, fasteners or other related materials will not be covered or reimbursed.
- Extended Risks.** Defects, damage, problems or degradation due to insects, animals, violent weather (such as hurricane, tornado, hail, lightning, or flood) explosion, mudslide, earthquake, volcanic eruption, falling objects, aircraft, vehicles, accidents, riot, civil commotion, war or acts of God are not warranted. PLEASE NOTE: The useful life of the underlying Product and the Warranted Treatment may be adversely affected by factors beyond Chemco's control such as: climate conditions (temperature, salt air, humidity); quality of installation; quality and appropriateness of installation materials, including underlayments and fasteners; normal wear and tear; and ventilation.
- Discoverable Unreported Defects.** If any claimed defect or problem in the Warranted Treatment or treated Product would have been revealed upon reasonable inspection by the installer, purchaser or Owner, or their respective agents, and the treated Product is installed, assembled, altered or modified without notice to and opportunity for Chemco to cure the alleged defect or problem prior to such actions, this Warranty will not apply to the affected treated Product.
- Paints and Coatings.** This Warranty does not cover any defects, damage, problems

or degradation due to the use of paints, coatings, sealants or other solutions on the treated Product. BEFORE USING ANY PAINT, STAIN OR OTHER COATING ON TREATED PRODUCT, YOU SHOULD CONSULT WITH A COATINGS EXPERT OR MANUFACTURER TO ASSURE YOURSELF THAT ANY RECOMMENDED COATING HAS BEEN SUCCESSFULLY TESTED ON THE TREATED PRODUCT. CHEMCO DOES NOT WARRANT OR ENDORSE ANY COATING PRODUCT OR MANUFACTURER. PLEASE REVIEW CHEMCO'S INFORMATIONAL NOTICE ON PAINTS AND COATINGS. Review at: <https://www.chemco.org/saferwood/painting-and-staining>

**6. Modifications and Repairs.** This Warranty does not cover any defects, damage, problems or degradation due to modifications, repairs, or alterations made to treated Product after original installation, including the subsequent installation of skylights, venting, windows, doors, solar heating apparatus or other equipment.

**7. Strength Limitations.** Fire Retardant treatment can affect the strength characteristics of the treated material. Please refer to <https://www.chemco.org/media/ESR-1159.pdf> for strength adjustments.

**DISCLAIMER AND LIMITATION OF LIABILITY.** THIS USEFUL LIFE LIMITED WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. CHEMCO EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT SUCH A DISCLAIMER OF IMPLIED WARRANTIES IS NOT ENFORCEABLE UNDER APPLICABLE LAW, CHEMCO LIMITS ANY LEGALLY REQUIRED IMPLIED WARRANTY TO THE MINIMUM DURATION AND SCOPE AUTHORIZED BY LAW. CHEMCO DOES NOT WARRANT THAT THE WARRANTED TREATMENT IS APPROPRIATE FOR THE PURCHASER OR OWNER'S PURPOSES. EXCEPT AS MAY BE OTHERWISE PROVIDED IN THIS WARRANTY, THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE IS ASSUMED BY THE PURCHASER AND OWNER. CHEMCO SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, CONSEQUENTIAL, PUNITIVE, PERSONAL OR PROPERTY DAMAGES (INCLUDING LOST PROFITS, DELAY DAMAGES, OR DAMAGE TO THE REGISTERED STRUCTURE OR ITS CONTENTS) RESULTING IN ANY WAY FROM THE INSTALLATION AND USE OF TREATED PRODUCT, EVEN IF CHEMCO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY EVENT, AND SPECIFICALLY IF THE REMEDIES PROVIDED BY CHEMCO UNDER THIS 50 YEAR LIMITED WARRANTY ARE FOUND LEGALLY INSUFFICIENT OR TO FAIL OF THEIR ESSENTIAL PURPOSE, THE MAXIMUM LIABILITY OF CHEMCO ON ACCOUNT OF ANY LOSS OR CLAIM IN ANY WAY ARISING UNDER OR RELATED TO THIS WARRANTY, OR TO THE INSTALLATION OR USE OF GOODS SUBJECT TO THIS WARRANTY, UNDER ANY LEGAL THEORY OF RECOVERY (CONTRACT, TORT, STRICT LIABILITY, OR STATUTE), IS THE TOTAL COST PAID BY THE PURCHASER OR OWNER FOR THE TREATED PRODUCT WITH A PRO RATA DEDUCTION BASED ON THE OWNER'S PRIOR USE AND ENJOYMENT AND THE FIFTY YEAR PERIOD OF THE WARRANTY.

**ARBITRATION OF DISPUTES AND GOVERNING LAW.** The purchaser and Registered Owners agree that any and all disputes or controversies in any way arising out of, or relating to, this Warranty or the Products subject to this Warranty, shall be fully and finally resolved by confidential arbitration (using a panel of three (3) arbitrators for claims over \$50,000 and a single arbitrator for claims of \$50,000 or less), administered by the American Arbitration Association, in accordance with its then-current the Commercial Arbitration Rules. Any arbitration shall be conducted and resolved on an individual basis only and not on a class-wide, multiple plaintiff, consolidated, or similar basis. The parties understand and agree that they are waiving rights to seek remedies in court, including the right to a jury trial, and that they are waiving the right to pursue a claim or defense as a class action or by class or multi-party arbitration. In the event any term or provision of this paragraph shall to any extent be invalid or unenforceable, the remainder shall be valid and enforced to the fullest extent permitted by law. The exclusive venue and place of arbitration is Seattle, Washington. The law of Washington will apply to any dispute between the parties in any way arising under or related to this Warranty or otherwise, under any legal theory, without regard to Washington's conflict of law rules.

**ENTIRE AGREEMENT.** This document contains the entire Warranty and may not be modified, altered, amended, or supplemented in any way by any wholesaler, dealer, roofer, installer, contractor, representative or manufacturer other than Chemco, and then only by means of a document signed by an authorized officer of Chemco. GOVERNING STATE LAW MAY LIMIT OR OTHERWISE AFFECT YOUR RIGHTS UNDER THIS WARRANTY, AND MAY PROVIDE YOU WITH YOU DIFFERENT OR ADDITIONAL SPECIFIC LEGAL RIGHTS NOT EXPRESSED IN THIS WARRANTY.

REGISTRATION FORM



CHEMCO'S LIMITED LIFETIME WARRANTY ON FIRE RETARDANT TREATMENT OF EXTERIOR USE WOOD PRODUCTS

Homeowner/Consumer Purchaser's Information:

Name:

Street Address of Building/Dwelling

City

Prov./ State  Postal/Zip Code

Product Type (Check one):

☐ Fascia ☐ Soffit ☐ Decking ☐ Siding ☐ Other, Specify type

Species Description

Date Installation Completed

Name & Address of Installer/Contractor

I,  CONSUMER NAME, HAVE READ, UNDERSTAND AND AGREE TO THE TERMS OF THE CHEMCO, INC. LIMITED LIFETIME WARRANTY FOR LUMBER, DECKING, PLYWOOD AND SIDING.

Owner's Signature:  Date:

In Canada, Send to: **Warranty Registration**  
P.O. Box 3280  
Mission, BC, Canada V2V 4J4  
In the USA, Send to: **Warranty Registration**  
P.O. Box 875  
Ferdale, WA, USA 98248

**NOTE:** Please see additional instructions on the reverse side of this form.



## Section 2. Hazards identification

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention</b>                       | : P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P261 - Avoid breathing dust.<br>P264 - Wash hands thoroughly after handling.                                                                                                                                                                                                                                                                                          |
| <b>Response</b>                         | : P308 + P313 - IF exposed or concerned: Get medical attention.<br>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.<br>P302 + P352 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.<br>P332 + P313 - If skin irritation occurs: Get medical attention.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical attention. |
| <b>Storage</b>                          | : P405 - Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Disposal</b>                         | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Supplemental label elements</b>      | : Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hazards not otherwise classified</b> | : None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Section 3. Composition/information on ingredients

|                                      |                  |
|--------------------------------------|------------------|
| <b>Substance/mixture</b>             | : Mixture        |
| <b>Other means of identification</b> | : Not available. |

| <b>Ingredient name</b> | <b>%</b> | <b>CAS number</b> |
|------------------------|----------|-------------------|
| Wood dust              | 80 - 100 | -                 |

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b> | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Inhalation</b>  | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open |



# SAFETY DATA SHEET



## Section 1. Identification

**GHS product identifier** :  
**Product code** : Not available.  
**Other means of identification** : Not available.  
**Product type** : Solid.

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Furniture Building.

**Supplier/Manufacturer** : Chemco Inc.  
 4191 Grandview Rd.  
 P.O. Box 875  
 Ferndale, WA 98248  
 Phone: +1-360-366-3500  
 Web Site: <http://www.chemco.org>

**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887  
 24/7

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : COMBUSTIBLE DUSTS  
 SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
 CARCINOGENICITY - Category 1A  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Wood dust may become hazardous while being transported or handled by downstream users. Products not containing wood dust are not hazardous as shipped but may become hazardous as the result of downstream activities (e.g. cutting, sanding) which creates small particles. Potential hazards are described below.**

**Hazard statements** : No code - May form combustible dust concentrations in air.  
 H315 + H320 - Causes skin and eye irritation.  
 H350 - May cause cancer.  
 H335 - May cause respiratory irritation.

### Precautionary statements





## Section 4. First aid measures

- airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)





## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical powder.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

**Specific hazards arising from the chemical** : May form explosible dust-air mixture if dispersed.

**Hazardous thermal decomposition products** : No specific data.

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards





## Section 7. Handling and storage

to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

### Advice on general occupational hygiene

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

- : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### United States

##### Occupational exposure limits

| Ingredient name | Exposure limits                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wood dust       | <b>ACGIH TLV (United States).</b><br>TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction.<br><b>OSHA PEL (United States).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable dust<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>NIOSH REL (United States).</b><br>TWA: 1 mg/m <sup>3</sup> 10 hours. |

#### Canada

##### Occupational exposure limits

| Ingredient name | Exposure limits                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------|
| Wood dust       | <b>ACGIH TLV (United States).</b><br>TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction. |

### Appropriate engineering controls

- : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.





## Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Solid. [Fibrous powder.]
- Color** : Tan.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point/boiling range** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Lower: 40 g/m<sup>3</sup>
- Vapor pressure** : 0 kPa (0 mm Hg) [room temperature]
- Vapor density** : Not available.
- Relative density** : 0.56
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.
- Flow time (ISO 2431)** : Not available.





## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
- Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

There is no data available.

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

| Name      | Category   | Target organs                |
|-----------|------------|------------------------------|
| Wood dust | Category 3 | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects





## Section 11. Toxicological information

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| <b>Eye contact</b>  | : Causes eye irritation.                            |
| <b>Inhalation</b>   | : May cause respiratory irritation.                 |
| <b>Skin contact</b> | : Causes skin irritation.                           |
| <b>Ingestion</b>    | : No known significant effects or critical hazards. |

### Symptoms related to the physical, chemical and toxicological characteristics

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| <b>Inhalation</b>   | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing  |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness                     |
| <b>Ingestion</b>    | : No known significant effects or critical hazards.                                        |

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| <b>Potential immediate effects</b> | : No known significant effects or critical hazards. |
| <b>Potential delayed effects</b>   | : No known significant effects or critical hazards. |

#### Long term exposure

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| <b>Potential immediate effects</b> | : No known significant effects or critical hazards. |
| <b>Potential delayed effects</b>   | : No known significant effects or critical hazards. |

#### Potential chronic health effects

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| <b>General</b>               | : No known significant effects or critical hazards.                           |
| <b>Carcinogenicity</b>       | : May cause cancer. Risk of cancer depends on duration and level of exposure. |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.                           |
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards.                           |
| <b>Developmental effects</b> | : No known significant effects or critical hazards.                           |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards.                           |

### Numerical measures of toxicity

#### Acute toxicity estimates

There is no data available.

## Section 12. Ecological information

### Toxicity

There is no data available.

### Persistence and degradability

There is no data available.





## Section 12. Ecological information

### Bioaccumulative potential

There is no data available.

### Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | DOT Classification | TDG Classification | IMDG           | IATA           |
|----------------------------|--------------------|--------------------|----------------|----------------|
| UN number                  | Not regulated.     | Not regulated.     | Not regulated. | Not regulated. |
| UN proper shipping name    | -                  | -                  | -              | -              |
| Transport hazard class(es) | -                  | -                  | -              | -              |
| Packing group              | -                  | -                  | -              | -              |
| Environmental hazards      | No.                | No.                | No.            | No.            |

**AERG** : Not available.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.





## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.  
**Clean Water Act (CWA) 311**: Formaldehyde

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

| Name         | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|--------------|------|--------------|-----------|-------------|-----------|
|              |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| Formaldehyde | Yes. | 500          | 73.9      | 100         | 14.8      |

**SARA 304 RQ** : 1000000 lbs / 454000 kg

### SARA 311/312

**Classification** : COMBUSTIBLE DUSTS  
SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
CARCINOGENICITY - Category 1A  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

#### Composition/information on ingredients

| Name      | Classification                                                                                                                                                                                                                                   |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wood dust | COMBUSTIBLE DUSTS<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B<br>CARCINOGENICITY - Category 1A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |

### SARA 313

There is no data available.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Wood dust

**Pennsylvania** : The following components are listed: Wood dust

### California Prop. 65

 **WARNING:** This product can expose you to chemicals including Wood dust and Formaldehyde, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Canadian lists

**Canada inventory (DSL NDSL)** : Not determined.





## Section 15. Regulatory information

**Canadian NPRI** : None of the components are listed.

**CEPA Toxic substances** : None of the components are listed.

## Section 16. Other information

### Procedure used to derive the classification

| Classification                                                                                                                                                                                                                                   | Justification                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| COMBUSTIBLE DUSTS<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B<br>CARCINOGENICITY - Category 1A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 | Expert judgment<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### History

**Date of issue mm/dd/yyyy** : 11/15/2019  
**Date of previous issue** : Not applicable  
**Version** : 1  
**Internal code** : Chemco005  
**Prepared by** : KMK Regulatory Services Inc.  
**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

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