1. Product Identification

Chemical Name: Modified Wood
Class: AWPA U1-25 / EN 335 / 1,2,3A - 3.1
Product Use: Flooring, furniture, cladding decking, interior & exterior above ground protection
Manufacturer's Name: Klaaswood LLC

Address: 8156 S Wadsworth Blvd., Unit E 334 Littleton, CO 80128
Business Phone: 720.766.8363
Email Address: info@klaaswood.com
Date Issued: April 1, 2026

2. Hazard Identification

Product Description: Klaaswood is produced from sustainable wood, thermally modified under pressure and heat, without the use of any agents or chemicals, to produce the highly durable and dimensionally stable wood products.

Health Hazards: The primary health hazard related to this product is inhalation of dust from sawing, sanding, or machining, which can cause respiratory irritation. Dust contact with skin and eyes can also cause irritation.

Flammability Hazards: This product is flammable only in the presence of an ignition source.

Reactivity Hazards: None known for the product.

Environmental Hazards: The product or chips/fiber/dust from the product have no known harmful effects to the environment.

Emergency Considerations: Personnel intervening must use appropriate personal protective equipment and fire extinguishing equipment to respond to wood fire.

EU LABELING AND CLASSIFICATION: Wood dust and chips are by-products of the manufacturing and handling of wood, and traces may be found on Klaaswood products. Please pay attention to the following guidance relative to the exposure to **wood dust.**

Hazard Classification for Wood Dust:	Carcinogen Category 2 Eye Irritation Category 2B Skin Irritation Category 3 STOT SE Category 3
Risk Phases for Wood Dust:	H315: Causes Skin Irritation H319: Causes serious eye irritation H335: May cause respiratory irritation
Safety Phrases for Wood Dust:	P280: Wear protective gloves / protective clothing / eye protection / face protection P261: Avoid breathing dust

Hazard Symbol for Wood Dust: 

3. Composition and Information on Ingredients

HAZARDOUS INGREDIENTS	CAS#	EINECS#	ICSC#	WT%	HAZARD CLASSIFICATION RISK PHRASES
Wood	N.E.	N.E.	N.E.	50-80%	Hazard Classification: None
Balance of water and other components. Each of the other components is present in less than 1 percent of concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					

N.E. = Not Established.
NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000.*

HAZARD DESCRIPTION: The wood product is not hazardous according to the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1920.1200. However, wood dust generated from sawing, sanding, or machining the product may be hazardous.

4. First-Aid Measures

GENERAL	The following is relative to wood dust exposure. If symptoms persist seek medical attention and bring a copy of this MSDS.
EYE CONTACT	Immediately flush eyes thoroughly with water being sure to lift both eyelids. If irritation persists, seek medical attention.
SKIN CONTACT	Wash skin with soap and water. If irritation persists, seek medical attention.
INHALATION	Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.
INGESTION	If wood chips or wood dust is swallowed, seek immediately medical advice – Do not induce vomiting.
OTHER INFO	Pre-existing upper respiratory and lung diseases may be aggravated by exposure to wood dust.

5. Fire-Fighting Measures

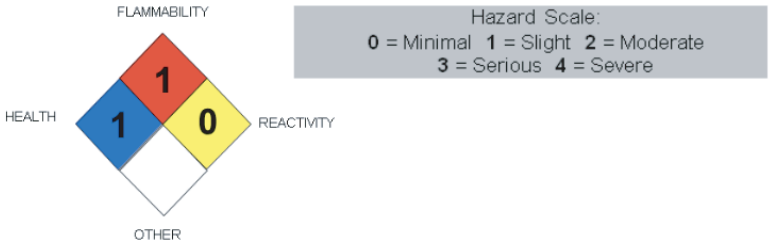
Fire and Explosion Hazard: The product is only combustible when in contact with an ignition source. The product is not explosive with mechanical shock or static electricity. Wood dust mixed with oxygen represents an explosion hazard when in contact with an ignition source. This is dependent on the humidity and particle size. The lower explosion level (LEL) for wood dust is 40 g/m3.

Suitable Fire-Fighting Media: Water, carbon dioxide, and sand.

Hazardous Decomposition Products: Carbon dioxide (CO2), Carbon monoxide (CO)

Special Fire-Fighting Procedures: Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment.

NFPA Rating:



6. Accidental Release Measures

Personal Precautions: Avoid dust formation. Protective equipment should be used to avod contact with wood dust.

Environmental Precautions: Not harmful to the environment.

Containing and Cleaning-Up: Vacuum or wet sweeping is the preferred method for dry, fine materials to reduce airborne dust. Scrape up wet material and place it in an appropriate container. Avoid dry sweeping, which creates dust.

7. Handling and Storage

Handling: Handle in well-ventilated areas and avoid dust formation. Avoid eye and skin contact and inhalation of wood dust. Use protective equipment (see point 8). Do not eat, drink or smoke while handling this product. Follow good hygiene. Wash hands before eating or smoking.

Storage: Insure good ventilation. Normal temperature and pressure do not impact on the product.

8. Exposure Controls - Personal Protection

GENERAL	Follow good hygiene and housekeeping practices. Ensure good ventilation.
RESPIRATORY PROTECTION	Use dust masks with P3-filter if ventilation and extraction are not sufficient.
HAND PROTECTION	Use protective gloves to avoid splinters when handling the product.
EYE PROTECTION	Use eye protection when handling the product. Saline eyewash should be available in locations where the product is handled.
SKIN PROTECTION	Use protective clothing when handling the product.

9. Physical and Chemical Properties

APPEARANCE	Wood
COLOR	Brown
SMELL	Characteristic, like baked bread
DENSITY	2,600 lbs/MBF - 3,000 lbs/MBF / 500 - 600 kg/m^3
SOLUBILITY IN WATER	Not soluable
AUTO-IGNITION TEMPERATURE	475-600 °F / 250-320 °C

10. Stability and Reactivity

Stability: Stable.
Materials to Avoid: Avoid contact with oxidizing agents.
Conditions to Avoid:

- Avoid open flames..
- Product may ignite at temperatures in excess of 475 – 600 °F / 250 – 320 °C
- Avoid storage of chips/fibers/dust at temperatures above 90 °F / 30 °C
- Avoid storage of chips/fibers/dust longer than three weeks
- Core temperature in any storage of chips/fibers/dust must not exceed 110 °F / 45 °C
- Additional precautions should be taken when storing more than 35 ft3 / 1 m3 of waste.

Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO2) may form during combustion.

11. Toxicological Information

GENERAL	Exposure to the product itself is unlikely. However, exposure to wood dust related to the handling and manufacturing of the product is possible. The following information is related to wood dust exposure.
EYE CONTACT	Irritation and burning sensation.
SKIN CONTACT	Irritation.
INHALATION	Irritation of the respiratory track, coughing and sneezing.
INGESTION	Ingestion is an unlikely exposure route.
ALLERGIES	Repeated and long-term exposure to wood dust can result in an allergic reaction.
TOXICITY	Wood dust (softwood or hardwood) OSHA hazard rating = 3.3; moderately toxic with probable oral lethal dose to humans being 0.5 – 5 g/kg (about 1 pound for a 150-pound person). *Source: OSHA Regulated Hazardous Substances, Government Institutes, Inc.*
CARCINOGENICITY	**Wood dust** is classified as carcinogenic. IARC classification of wood dust: Group 1 - carcinogenic to humans, sufficient evidence of carcinogenicity in humans. This classification is primarily based on studies that show a correlation between wood dust exposure and nose and sinus cancers. IARC has found no evidence of correlation between wood dust and other forms of cancer.
REPROTOXICITY	Data does not indicate that wood dust may have an effect on the reproduction system.

12. Ecological Information

GENERAL	None
ECO-TOXICITY	No data available.
MOBILITY	Not soluble in water.
PERSISTENCE/ DEGRADATION	The product is fully biodegradable.
BIOACCUMULATION POTENTIAL	The product does not bio-accumulate.
OTHER	-

13. Disposal Considerations

General: Not classified as hazardous waste. Always dispose of waste material according to local, state and federal regulations. In households, it is safe to fire stoves and fireplaces with Klaaswood.

Waste Code EAL: Construction and demolition waste (including excavated soil from contaminated sites): 17 02 01 (wood) Municipal waste (household waste and similar commercial, industrial and institutional waste) including separately collected fractions): 20 01 38 (wood other than that mentioned in 20 01 37) Klaaswood.

Handling of Packaging: Dispose according to local regulations. Recycle when possible.

14. Transportation Information

General: The product is not classified as dangerous goods (ADR/RID, IMDG, IATA/ICAO, IMO, US DOT, Transport Canada).

15. Regulatory Information

UNITED STATES REGULATIONS:

SARA Reporting Requirements: No
Marine Pollutant: No

U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable.
U.S. TSCA INVENTORY STATUS: All the components of this product are listed in the TSCA Inventory or have applied for listing.
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any component above the 0.1% level, which is listed as a California Proposition 65 chemical.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All the components of this product are not on the DSL Inventory
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This is not considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and is therefore not subject to the labeling and MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS).

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

European Economic Community Guidelines for the product (not wood dust):
Hazard Symbol: None
Hazard Classification: None
H-Phrases: None
P-Phrases: P261 - Avoid breathing dust
P280 - Wear protective gloves/protectiive clothing/eye protection/face protection.

AUSTRALIAN INFORMATION FOR PRODUCT

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.
STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Not all components listed
Australian Inventory of Chemical Substances (AICS): Not all components listed
Korean Existing Chemicals List (ECL): Not all components listed
Japanese Existing National Inventory of Chemical Substances (ENCS): Not all components listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS): Not all components listed
Swiss List of Toxic Substances: Not all components listed
U.S. TSCA: Listed or have applied for listing

16. Other Information

Additional Information:

- Wood dust can be generated when manufacturing the product.
- Wood dust is classified as irritant, carcinogen cat 2 and STOT SE cat 3
- H315: Causes skin irritation
- H319: Causes serious eye irritation. H335: May cause respiratory irritation

Sources Used to Prepare this MSDS: OSHA, Regulated hazardous Substances, Government Institutes EU no. 453/2010

Changes from Last Version: N/A

Date of Print: April 1, 2026