

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: TimberBatt

1.2. Intended Use of the Product

Use of the Substance/Mixture: Building Insulation

1.3. Name, Address, and Telephone of the Responsible Party

Company

GOLab inc. DBA TimberHP

1 Main Street

Madison, ME 04950

855-755-1359

www.timberhp.com

info@timberhp.com

1.4. Emergency Telephone Number

No additional information available

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

This product is composed of wood. The hazard information denoted in this SDS applies only when the product is altered downstream such that significant dust or fume is generated. In its shipped and finished form, this product is not considered hazardous.

GHS-US Classification

Classification as delivered:

Not Classified.

Classification for physical alteration resulting in dust or fume:

GHS-US Classification

Skin sensitization, Category 2

Carcinogenicity Category 2

Suspected Reproductive toxicity Category 2

Specific target organ toxicity — Single exposure, Category 3,

Respiratory tract irritation

Specific target organ toxicity (repeated exposure) Category 3

Combustible Dust

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: May form combustible dust concentrations in air.
May cause an allergic skin reaction.
May cause respiratory irritation.
Suspected of causing cancer
Suspected of damaging fertility or the unborn child.

Precautionary Statements (GHS-US)

: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, fumes.
Wash hands, forearms, and other exposed areas thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear eye protection.

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[In case of inadequate ventilation] wear respiratory protection.
If on skin: Wash with water.
If inhaled, remove person to fresh air. If breathing is difficult, remove person to fresh air and keep relaxed/comfortable until normal breathing pattern resumes.
Get medical advice/attention if you feel unwell.
Specific treatment (see section 4 on this SDS).
If skin irritation or rash occurs: Get medical advice/attention.
If experiencing respiratory symptoms: get medical advice / attention
Wash contaminated clothing before reuse.
Store in a dry place.
Store dust in a closed container.
Dispose of contents/container in accordance with local, regional, national, and international regulations.

Supplemental Information

: NA

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Wood dust, all soft and hard woods	Wood dust / Wood dust, all soft and hard woods, except western red cedar / Wood dust, nonallergenic / Wood dust, hard and soft / Wood dust (non-allergenic) / Wood dust, softwoods and hardwoods, except western red cedar / Wood / Wood dusts / Wood dusts (all other species) / Wood dust, all soft and hard woods, except red cedar / WOOD POWDER	(CAS-No.) Not applicable	88	Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372 Comb. Dust
Disodium octaborate, tetrahydrate	Boric acid, disodium salt, tetrahydrate / Boron sodium oxide, tetrahydrate / Boron sodium oxide (B8Na2O13), tetrahydrate / Disodium octaborate tetrahydrate / Boron sodium oxide tetrahydrate	(CAS-No.) 12280-03-4	7	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319 Repr. 1B, H360

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Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	Mylar / Lavsan / Polyethylene terephthalate / Poly(ethylene terephthalate) / POLYETHYLENE TEREPHTHALATE / PET / Ethyleneglycol/terephthalic acid copolymer	(CAS-No.) 25038-59-9	5	Comb. Dust
1-Hexene, polymer with ethene	Ethylene/hexene copolymers / Polymer of ethene/hex-1-ene / Ethylene-1-hexene copolymer / Polymer, ethylene-hexene	(CAS-No.) 25213-02-9	5	Comb. Dust

Full text of H-phrases: see section 16

This product is composed of wood. The hazard information applies only when the product is altered downstream by cutting, sawing, sanding, heating or other means and significant dust or fume is generated. In its shipped and finished form, this product is not considered hazardous.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: The health effects listed below are not likely to occur unless dust or fumes are generated by processing.

First-aid Measures After Inhalation: Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

First-aid Measures After Skin Contact: Remove contaminated clothing. Rinse skin with water/shower. If concerned: Get medical advice/attention.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries After Inhalation: For particulates and dust, irritation of the respiratory tract and the other mucous membranes may occur. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: Direct contact may cause irritation and/or an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact may cause irritation.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: The following applies to the product if it is altered such that significant dust is generated and a person is subjected to repeated, prolonged, unprotected exposures (inhalation): may cause damage to organs (lungs), fertility, an unborn child. May cause cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water fog, alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible Dust.

Explosion Hazard: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

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Firefighting Instructions: Avoid raising dust. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Other Information: Risk of dust explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures No containment procedures are needed, as this product cannot spill or leak.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Eliminate ignition sources first, then ventilate the area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools. Avoid generation of dust during clean-up of spills. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air). Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Precautions for Safe Handling: No special measures necessary if used correctly. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store accumulated wood dust in well ventilated, cool, dry place. Damp wood dust may self-heat. Keep away from sources of ignition. Do not smoke.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Building Insulation

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Wood dust, all soft and hard woods (Not applicable)		
USA NIOSH	NIOSH REL (TWA)	1 mg/m ³

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8.2. Exposure Controls

Appropriate Engineering Controls

: The following applies to the product if it is altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment

: Gloves as needed. Protective clothing as needed. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

Hand Protection

: Not generally required.

Eye and Face Protection

: Wear protective gloves.

Skin and Body Protection

: safety goggles.

Respiratory Protection

: Wear suitable protective clothing.

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Unbleached Wood Fiber – Light brown
Odor	: None
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Particle Size (Solid)	: 3-10mm fibers compressed

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

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Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Dust accumulation (to minimize explosion hazard). Sparks, heat, open flame and other sources of ignition.

10.5. Incompatible Materials

10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Borates.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

Disodium octaborate, tetrahydrate (12280-03-4)	
LD50 Oral Rat	2500 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 2.01 mg/l/4h

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Classification as delivered: Not Classified.

Classification for physical alteration resulting in dust or fume: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Classification as delivered: Not Classified.

Classification for physical alteration resulting in dust or fume: May cause cancer (inhalation).

Wood dust, all soft and hard woods (Not applicable)	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.

Reproductive Toxicity: Classification as delivered: Not Classified.

Classification for physical alteration resulting in dust or fume: May damage fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Classification as delivered: Not Classified.

Classification for physical alteration resulting in dust or fume: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation).

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: For particulates and dust: Irritation of the respiratory tract and the other mucous membranes. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction. Dust may be harmful or cause irritation.

Symptoms/Injuries After Skin Contact: Direct contact may cause irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact may cause irritation due to mechanical abrasion.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: The following applies to the product if it is altered in such a way that excessive and/or significant particulates and/or dusts may be generated: May cause damage to organs (lungs) through prolonged or repeated exposure (Inhalation). May cause cancer (Inhalation). May damage fertility or the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

12.2. Persistence and Degradability

TimberFill	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

TimberFill	
Bioaccumulative Potential	Not established.

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12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information : Avoid unintended release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid unintended release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

14.3. In Accordance with IATA

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

TimberFill	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Carcinogenicity Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity Physical hazard - Combustible dust

15.2. US State Regulations

Wood dust, all soft and hard woods (Not applicable)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

California Proposition 65



WARNING: This product can expose you to Wood dust, all soft and hard woods, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Wood dust, all soft woods	X			

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 07/17/2023

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
This product composed of wood. The hazard information applies only when the product is altered downstream and significant dust or fume is generated. In its shipped and finished form, this product is not considered hazardous.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)