



Material Safety Data Sheet

Material Name: Timbersaver®PT Pressure Treated Wood

MSDS ID VIA-150

*** Section 1 - Chemical Product and Company Identification ***

Chemical Name: Borate treated wood

Product Use: Lumber

Manufacturer Information

Phone:

FAX:

Emergency:

General Comments

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Hazards Identification ***

Emergency Overview

Wood dust may form explosive mixture with air. Wood dusts may cause irritation to the eyes, skin and respiratory tract.

Potential Health Effects: Eyes

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

Potential Health Effects: Skin

Wood dust may cause irritation to the skin. Mechanical rubbing may increase skin irritation. Some wood species may cause dermatitis or allergic skin reactions in sensitized individuals.

Potential Health Effects: Ingestion

Ingestion of wood or wood dust is unlikely. If ingestion does occur, slight gastrointestinal irritation may result. Certain species of wood and their dusts may contain natural toxins which can have adverse effects in humans.

Potential Health Effects: Inhalation

Wood dust is irritating to the nose, throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passages, coughing, sneezing, dryness and soreness of throat and sinuses, hoarseness, and wheezing. Prolonged or repeated inhalation of wood dusts may cause respiratory irritation, recurrent bronchitis and prolonged colds. Some species may cause allergic respiratory reactions with asthma-like symptoms in sensitized individuals. Prolonged exposure to wood dust by inhalation has been reported to be associated with nasal and paranasal cancer.

Medical Conditions Aggravated by Exposure

Pre-existing eye, respiratory system and skin conditions.

HMS Ratings: Health: 1* Fire: 1 Physical Hazard: 0

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

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
Not Available	Wood/Wood dust	60-100
12280-03-4	Disodium octaborate tetrahydrate	0.1-1

Component Related Regulatory Information

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

Component Information/Information on Non-Hazardous Components

Timbersaver treated wood products are made up of >99% "wood" and <1% Disodium octaborate tetrahydrate.

This product is considered hazardous under the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

First Aid: Skin

For skin contact, wash immediately with soap and water. Continue flushing skin with water for 15 minutes. If irritation persists, get medical attention. If wood splinters are injected under the skin, get medical attention immediately.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If dusts are inhaled, remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, have trained personnel give oxygen to the victim.

First Aid: Notes to Physician

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

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

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

Hazardous Combustion Products

Hazardous decomposition products include irritating and toxic fumes and gases of carbon monoxide, carbon dioxide, aldehydes, and organic acids.

Extinguishing Media

Use water to wet down wood and to reduce the likelihood of ignition or dispersion of dust into the air.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

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

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

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

*** Section 6 - Accidental Release Measures ***

Containment Procedures

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

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Wet down accumulated dusts prior to sweeping or vacuuming in order to prevent explosion hazards. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Gather larger pieces by an appropriate method. Avoid the generation of airborne dusts during clean-up. Do not inhale dusts during cleanup.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Wear appropriate personal protective equipment. Follow all Local, State, Federal and Provincial regulations for disposal.

*** Section 7 - Handling and Storage ***

Handling Procedures

Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood. Wash hands after handling and before eating. Avoid contact of wood dusts with skin and eyes. Do not breathe wood dusts. Do not eat, drink or smoke when handling this material or in areas where dusts of this product are present.

Storage Procedures

Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts. Store product in a dry area away from excessive heat, sparks and open flame.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Follow all applicable exposure limits.

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

B: Component Exposure Limits

Wood/Wood dust (Not Available)

- OSHA (Vacated): 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- NIOSH: 1 mg/m3 TWA (related to Wood dust, all soft and hard woods)
- Alberta: 5 mg/m3 TWA (total) (related to Wood dust, all soft and hard woods)
- New Brunswick: 5 mg/m3 TWA (related to Wood dusts-soft woods)
10 mg/m3 STEL (related to Wood dusts-soft woods)
- NW Territories: 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- Nunavut: 5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
- Ontario: 5 mg/m3 TWAEV (related to Wood dusts-soft woods)
10 mg/m3 STEV (related to Wood dusts-soft woods)
- Quebec: 5 mg/m3 TWAEV (total dust, except red cedar, containing no asbestos and less than 1% crystalline silica) (related to Wood dust, all soft and hard woods)
- Saskatchewan: 5 mg/m3 TWA (certain species) (related to Wood dusts-soft woods)
10 mg/m3 STEL (related to Wood dusts-soft woods)
- Yukon: 5 mg/m3 TWA (non-allergenic); 2.5 mg/m3 TWA (allergenic, including cedar, mahogany, teak) (related to Wood dust, all soft and hard woods)
10 mg/m3 STEL (non-allergenic); 5 mg/m3 STEL (allergenic, including cedar, mahogany, teak) (related to Wood dust, all soft and hard woods)

Engineering Controls

Use exhaust ventilation when cutting, grinding or sanding in enclosed areas and if it is anticipated the exposure limits for wood dust may be exceeded during working with this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields when handling, cutting, sanding or grinding this material. Use a face shield during processes that may generate excessive dusts and splinters.

Personal Protective Equipment: Skin

Wear puncture resistant work gloves, such as leather.

Personal Protective Equipment: Respiratory

Not normally needed. Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Laundry workclothes frequently. Eye wash fountain is recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	May vary	Odor:	Wood
Physical State:	Solid wood	pH:	Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	Not applicable
Solubility (H2O):	Insoluble	Specific Gravity:	Not available
Flash Point:	Not applicable	Flash Point Method:	Not available
Auto Ignition:	Not available	LFL:	40 g/m3 (Wood dust)
UFL:	Not available		

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Keep away from excessive heat, sparks and open flame. Keep away from incompatible materials.

Incompatibility

Strong oxidizing agents (peroxides, chlorine, strong acids) and drying oils.

Hazardous Decomposition

Hazardous decomposition products include irritating and toxic fumes and gases of carbon monoxide, carbon dioxide, aldehydes, and organic acids.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

Wood dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of wood dust may cause respiratory irritation, recurrent bronchitis and prolonged colds. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

Borate treated wood and its components are not listed as carcinogens by ACGIH, NIOSH, or IARC. Wood dust is classified as a human carcinogen or occupational carcinogen by ACGIH, NIOSH and IARC. This classification is based on an increased incidence of nasal and paranasal cancers in people exposed to wood dusts.

B: Component Carcinogenicity

Wood/Wood dust (Not Available)

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

NIOSH: potential occupational carcinogen (related to Wood dust, all soft and hard woods)

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

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

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

This product is not expected to leach harmful amounts of preservative into the environment. The wood preservative, TIM-BOR® DPT® is an inorganic sodium borate salt. The boron contained in this preservative may be harmful to some plants and animals in excessive concentrations.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No information available.

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated

UN/NA #: None **Hazard Class:** None **Packing Group:** None

Required Label(s): None

Canada Transportation of Dangerous Goods Information

Shipping Name: Not regulated

UN/NA #: None **Hazard Class:** None **Packing Group:** None

Required Label(s): None

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

This product is pressure treated with small amounts of a FIFRA registered wood preservative which falls under Environmental Protection Agency regulations. Disodium octaborate tetrahydrate is registered with the EPA under registration number 64405-8.

B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

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

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

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

Component	CAS	CA	MA	MN	NJ	PA	RI
Wood/Wood dust (1related to Wood dust, all soft and hard woods) (2related to Wood dusts-soft woods)	Not Available	No	No	Yes 1	No	Yes 2	Yes 1

Material Safety Data Sheet

Material Name: Timbersaver® PT Pressure Treated Wood

MSDS ID VIA-150

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

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

WHMIS Classification: D2A, D2B

Additional Regulatory Information

A: General Product Information

Disodium Octaborate Tetrahydrate is a hydrate of an anhydrous form that is on the US TSCA and Canadian DSL inventories, and can be referenced under the parent compound name.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	MITI	PHIL	KOREA	ELINCS	CHINA
Disodium octaborate tetrahydrate	12280-03-4	No	No	No	No	No	Yes	No	No	No	Yes

*** Section 16 - Other Information ***

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists. AICS = Australian Inventory of Chemical Substances. CAS = Chemical Abstract Service. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. CHEMTREC = Chemical Transportation Emergency Center. DSL = Canadian Domestic Substance List. EINECS = European Inventory of New and Existing Chemical Substances. ELINCS = European List of Notified Chemical Substances. EPA = Environmental Protection Agency. FIFRA = Federal Insecticide, Fungicide, and Rodenticide Act; HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Information System. IARC = International Agency for Research on Cancer. IDLH = Immediately Dangerous to Life and Health. MITI = Japanese Ministry of International Trade and Industry. NDSL = Canadian Non-Domestic Substance List. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. NA = Not available or Not Applicable. SARA = Superfund Amendments and Reauthorization Act. TDG = Transportation of Dangerous Goods. TLV = Threshold Limit Value. TSCA = Toxic Substances Control Act. WHMIS = Workplace Hazardous Materials Information System.

End of Sheet VIA-150