

SAFETY DATA SHEET (SDS)

SECTION 1. IDENTIFICATION

PRODUCT NAME

Oriented Strand Board (OSB)
Includes all OSB products made with PF resin.

RECOMMENDED USE

Building materials for structural, industrial, or decorative use.

RESTRICTIONS OF USE

None known.

NAME AND ADDRESS

MANUFACTURER

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SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION

GHS CLASSIFICATION

This product is not classified as hazardous according to GHS criteria.

OSHA HCS 2012 CLASSIFICATION

This product is not classified as hazardous according to OSHA HCS 2012 criteria.

WHMIS CLASSIFICATION

This product is not classified as hazardous according to WHMIS criteria.

LABEL ELEMENTS



OTHER HAZARDS

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous during processing. Mechanical machining, cutting, sanding and other transformations can generate dust from wood (Aspen) and polymerized resins. Dusts from the processing of this product may be irritating to the eyes, skin or respiratory system. All types of wood can cause health effects in workers in contact with these dusts. The risk to health increases over time and the amount of dust inhaled.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	WT. %	COMMON NAME/SYNONYMS
Wood (strand)	N/A	93 - 96	N/A
Resin Phenol-Formaldehyde	9003-35-4	2 - 2.5	Formaldehyde phenol copolymer
Emulsified Wax	8002-74-2	2	Paraffin

SECTION 4. FIRST AID MEASURES

INHALATION (WOOD DUST)

Remove from exposure area. If the victim has stopped breathing, perform artificial respiration. Seek medical attention if irritation persists, severe coughing, or difficulty breathing.

SKIN CONTACT (WOOD DUST)

If irritation occurs, wash with soap and water. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse.

EYE CONTACT (WOOD DUST)

Do not rub your eyes. Immediately rinse eyes with plenty of water for at least 15 minutes. Remove contact lenses if the victim is wearing them and they can be easily removed. Continue to rinse. Seek immediate medical attention. Seek medical attention if irritation develops and persists.

INGESTION (WOOD DUST)

If wood or wood dust is swallowed, seek medical advice immediately - Do not induce vomiting.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye irritation. Those exposed may suffer from tearing, redness and discomfort. Can cause skin allergy. Dermatitis. Eruption. May irritate the respiratory tract. Breathing difficulties.

IMMEDIATE MEDICAL CARE OR SPECIAL TREATMENT

Provide general care and treat symptomatically. In case of shortness of breath, give oxygen. Keep the victim warm. Keep the victim under observation. Symptoms may be delayed.

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SECTION 5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide, foam, dry chemical powder, water spray, alcohol foam.

Additional Information

Never fight a wood dust fire with compact jets of water as the force of the jet could resuspend dust and cause an explosion.

SPECIFIC HAZARDS

Explosion hazard: Avoid dust formation; fine dust dispersed in the air at a sufficient concentration and the presence of an ignition source presents a potential risk of dust explosion. Hazardous gases can form during a fire.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Wear a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES

Use tools that do not produce sparks. Do not allow dust to accumulate, it can form an explosive mixture if released into the atmosphere. Wear suitable protective equipment. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Evacuate personnel to safe area. Eliminate all sources of ignition (no cigarettes, torches, sparks or flames in the immediate area). Avoid dispersal of dust in the air (i.e., such as when cleaning surfaces with compressed air). Pick up large pieces using an appropriate method. Reduce dust in the air by using wet methods (for example, water mist) and avoid dispersal by humidifying the air.

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SECTION 7. HANDLING AND STORAGE

SAFE HANDLING ADVICE

No special precaution are required when handling the product. Adopt good occupational hygiene practices. Avoid creating a dusty environment. Ensure proper ventilation when dust conditions cannot be avoided during cleaning. Place the recovered wood dusts in a container for proper disposal.

SAFE STORAGE CONDITIONS

Store flat, supported and protected from direct contact with the ground. Store away from incompatible materials (See section 10 of the SDS). Store in a cool, dry place.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS

CHEMICAL NAME	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Wood dust	1 mg/ m3	10 mg/ m3	15 mg/ m3	10 mg/ m3
Phenol Formaldehyde Resin	0.3 ppm	2.0 ppm	0.75 ppm	2.0 ppm
Emulsified wax	2 mg/ m3		2 mg/ m3	

Notes

The OSHA authorized exposure limit for harmful dust is 15 mg/m³, total dusts (5 mg/m³, respirable fraction) on an 8-hour time weighted average. NIOSH has set a recommended exposure level of 1 mg/m³ of total dust.

[Source : OSHA](#)

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SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING MEASURES

Not prescribed if no processing of the product

Ensure adequate ventilation and exhaust to keep contaminant concentration levels below the OSHA allowable exposure limit. Avoid dusty conditions, and use wet methods, where appropriate to reduce airborne dust concentrations.

EYE AND FACE PROTECTION

Not prescribed if no processing of the product

Wear safety glasses when fabricating or machining any wood product.

SKIN PROTECTION

Not prescribed if no processing of the product

Wear protection gloves to minimize the risk of injury. Clothing that covers the arms is desirable in very dusty areas.

RESPIRATORY PROTECTION

Not prescribed if no processing of the product

Wear a NIOSH/MSHA approved dust respirator protection, type N95 or higher, when allowable limits could be exceeded.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Odor

Odor threshold

pH

Melting and freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solids and gases)

Upper and lower flammability or explosive limits

Vapor pressure

Vapor density (Air = 1)

Relative density (Water = 1)

Solubility in water

Solid. Physical description : Oriented strand board.

Natural wood smell. Light to dark in color. Color and smell will vary depending on the time elapsed since the product was manufactured.

Not applicable

Not applicable

Not applicable

Not applicable

315.6 °C (600 °F) for wood

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

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SECTION 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES (suite)

Solubility in other liquids	Not applicable
Partition coefficient n-octanol / water	Not applicable
Auto-ignition temperature	Variable 204 °C to 260 °C (400 °F to 500 °F)
Decomposition temperature	Not applicable
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not applicable if not processed.
Chemical stability	This product is stable if not transformed. However, wood dust can ignite spontaneously if stored in a humid and warm place, or if it is partially burned or charred.
Possibility of hazardous reactions	None
Conditions to avoid	Keep away from sources of ignition (excessive heat, open flames, sparks).
Materials to avoid	Wood dust is incompatible with these materials : Oxidizing agents such as perchloric acid and nitric acid. Strong acid such as sulfuric acid. Drying oils (risk of ignition).
Hazardous decomposition products	Wood dust : Thermal decomposition (200 to over 500 ° C.) : water, carbon dioxide, formic acid, acetic acid, carbon monoxide, flammable vapors. charcoal.

SECTION 11. TOXICOLOGICAL INFORMATION

In their original forms, the wood pannel do not represent a health hazard.

Likely routes of exposure :

- > Inhalation
- > Skin contact
- > Eye contact
- > Ingestion

ACUTE TOXICITY

LC50	Not established
LD50 (oral)	Not established
LD50 (dermal)	Not established

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SECTION 11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

CHEMICAL NAME	IARC	ACGIH®	OSHA
Wood dust	1	A4	Ca

Notes

ACGIH : American Conference of Governmental Industrial Hygienists (2015)

A4, Substance not classifiable as a human carcinogen

IARC: International Agency for Research on Cancer

1, The agent is carcinogenic to humans

OSHA: Occupational Safety and Health Administration

Ca, Potential occupational carcinogen

REPRODUCTIVE TOXICITY

To cause a toxic effect on reproduction, a product must be absorbed, pass into the bloodstream, distribute to various tissues of the body (such as the reproductive system) and cause harmful changes there. Because wood dust is not absorbed into the body, exposure to this product will not cause reproductive harm.

DEVELOPMENT OF THE PROGENY

To cause a developmental toxic effect, a product must be absorbed, pass into the bloodstream, distribute to various body tissues (such as the fetus), and cause harmful changes there. As wood dust is not absorbed into the body, exposure to this product will not cause developmental effects.

SEXUAL FUNCTION AND FERTILITY

Not applicable.

EFFECTS ON OR VIA BREASTFEEDING

As wood dust is not absorbed into the body, exposure to this product will not cause an effect on or via breastfeeding.

GERM CELL MUTAGENICITY

The available data do not allow an adequate assessment of the mutagenic effect.

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SECTION 12. . ECOLOGICAL DATA

Not available

SECTION 13. DISPOSAL CONSIDERATIONS

This product in its purchased form is not considered a hazardous waste under the US Federal Hazardous Waste Regulations 40 CFR 261. Waste should be disposed of in accordance with applicable federal, state or local environmental regulations. However, it is the responsibility of users when disposing of waste to ensure that it meets RCRA hazardous waste criteria. Title 40 CFR 261. Incinerate or landfill in accordance with applicable regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated.

SECTION 15. REGULATORY INFORMATION

USA

SARA TITLE III

Sec. 302/304	None
Sec. 311/312	None
Sec. 313	None
CERCLA RQ	None

PROP. 65 CALIFORNIE

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other harm.

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this SDS contains all the information required by the Controlled Products Regulations.

CLASSIFICATION SIDMUT

EXPOSITION AU TRAVAIL

Not controlled

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SECTION 16. OTHER INFORMATION

WARNING

This document has been prepared based on data believed to be accurate at the date of preparation. No warranty is made as to the accuracy or completeness of the above data and safety information. The user is responsible for evaluating all information available when using the product for particular purposes and for complying with all the regulations and laws.

ABBREVIATIONS

ACGIH	American conference of governmental industrial hygienists
CNESST	<i>Commission des Normes, de l'Équité, de la Santé de de la Sécurité du Travail</i>
CFR	Code of Federal Regulations
SDS	Safety Data Sheet
HCS	Hazard Communication Standard
MSHA	Mine Safety and Health Administration
mg/ m ³	Milligram per cubic meter
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSB	Oriented Strand Board
OSHA	Occupational Safety and Health Administration
PEL	OSHA Permissible Exposure Limit
PF	Phenol Formaldehyde
ppm	Part Per Million
REPTOX	Toxicological Directory
RSPSAT	<i>Réseau de santé publique en santé au travail</i>
GHS	General harmonized system
WHMIS	Workplace Hazardous Materials Information System
STEL	Short-Term Exposure Limit (15 minutes)
TLV	Threshold Limit Values
TWA	8-hours Time-weighted average exposure

REFERENCES

<https://reptox.cnesst.gouv.qc.ca/>
<http://www.nfpa.org/>
<https://www.osha.gov/>
<https://www.acgih.org/>

DATE OF THE MOST RECENT REVISED VERSION

2021-06-07