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Safety Data Sheet
ProfibCell +

Nature fibres
PERFORMANT DE NATURE

1. Identification

Product identifier	Profib Cell +
Product code	N/A
Other means of identification	None.
Recommended use of the chemical and restrictions on use	Thermal insulation for interior of new and existing buildings.
Manufacturer	White Birch PaperTM Papier Masson LTD. Division 2, chemin de Montreal Ouest Gatineau (Quebec) Canada J8M 2E1 Tel. 819-986-4300 ~~https://whitebirchpaper.com/~~
Emergency phone number	Papier Masson LTD. Division Tel.: 819-986-4300

2. Hazard identification

Summary	Wood and wood products are not regulated under the Canadian Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) SOR/2015-17 (WHMIS 2015). Under certain confined conditions, a fine dust of this material in air may cause a dust explosion if ignited. Wood or wood products are not regulated under the USA OSHA 29CFR Part 1910.1200 (HazCom 2012). However, wood or wood products which have been treated with a hazardous chemical covered by the HazCom 2012 standard, and wood which may be subsequently sawed or cut, generating dust, are not exempted.

WHMIS 2015/GHS/OSHA HCS 2012

Not Regulated under WHMIS 2015 Combustible dusts (Category 1)
WARNING
H29X : May form combustible dust concentrations in air
P271: Use only outdoors or in a well-ventilated area.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Pulp Cellulose	65996-61-4	84 - 92 % 5 - 8 % 3
Phosphoric acid, ammonium salt	10124-31-9	- 6 % 0 - 2 %
Disodium octaborate tetrahydrate	12280-03-4	
Petroleum wax emulsion	PWE	

Note: Petroleum wax emulsion does not have a known CAS number. This ingredient has no physical danger and no health danger.

4. First-aid measures

Inhalation	In dusty environment move person to fresh air. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	Never give anything by mouth if victim is unconscious or convulsing. If a problem develops or persists, seek medical attention.
Other	No additional information.
Symptoms	Dusts may cause mechanical irritation to skin and eyes. Dusts may irritate throat and respiratory system and cause coughing. No information available.
Notes to the physician	

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Specific hazards arising from the chemical	Depending on various factors that influence the combustibility and explosiveness of the dust, the dispersal of fine dust particles into air in sufficient quantity and concentration to create a dust cloud with the confinement in a building, room or process equipment could be ignited; the dust cloud will burn rapidly and may explode. Therefore, use good ventilation and avoid accumulation of dust in presence of ignition sources.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask.
Special protective actions for fire-fighters	No information available for this product.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	No immediate danger to the environment.
Methods and materials for containment and cleaning up	Ventilate the area well. Avoid conditions that produce dust. Pick up mechanically and reuse as long as it is not contaminated. Vacuum or sweep up dust and place in an appropriate waste disposal container. Recycle the product.

7. Handling and storage

Precautionsforsafe handling	Use in well ventilated area. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid contact with eyes. Avoid breathing dust. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials (see section 10). Keep away from heat and open flame. Keep away from moisture.
Storage temperature	<50°C (122°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	NoIDLH valueisreported.

Pulp Cellulose Disodium octaborate tetrahydrate	TWA (8h)	Total Dust	10 mg/m3	ACGIH , BC, ON, RSST
	STEL	Inhalable Fraction	6 mg/m3	ACGIH
	TWA (8h)	Inhalable Fraction	2 mg/m3	ACGIH
Petroleum wax emulsion	TWA (8h)	Fume	2 mg/m3	ACGIH
		Mist	5 mg/m3	ACGIH

Appropriate engineering controls	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborn concentrations of dust below their respective occupational exposure limits.
Individual protection measures	
Eye	Wear safety glasses with side shields. However, goggles are recommended if the product is used in such a way as to generate high dust levels.
Hands	Not required in normal use. However, cloth, canvas or leather gloves are recommended to minimize potential mechanical irritation from handling product.
Skin	Wear work clothing as required by employer code.
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. For dust nuisance exposures use type N95 particle respirator.
Feet	If necessary, wear safety shoes when handling containers.

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9. Physical and chemical properties

Physical state	Fibrous solid	**Flammability**	Combustible dust
Colour	White to yellow	**Flammability limits**	N/Av. N/Av.
Odour	Odorless	**Flash point**	

Odour threshold	N/Av.	**Auto-ignition temperature**	N/Av.
pH	7.8	**Sensibility to electrostatic charges**	N/Av.
Melting point	N/Ap.	**Sensibility to sparks and/or friction**	N.Av.
Freezing point	N/Ap. N/Ap. Poorly	**Vapour density**	N/Av. (Air = 1)
Boiling point	soluble in water	**Relative density**	0.02 to 0.025 kg/L (Water = 1)
Solubility		**Partition coefficient n-octanol/water**	N/Av.
Evaporation rate	N/Ap.	**Decomposition temperature**	N/Av.
Vapour pressure	N/Av.	**Viscosity**	N/Ap.
Percent Wt. Volatile	N/Av.	**Molecular mass**	N/Av.
VOC (g/L)	N/Av.	**% Volume Volatile (VOC)**	N/Av.
VOC (lb/gal)	N/Av.	**% Wt. Volatile (VOC)**	N/Av.
N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No information available for this product.
Chemical stability	Stable under normal conditions of use.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur under recommended storage.
Conditions to avoid	Avoid accumulation of dust in presence of ignition sources.
Incompatible materials	Strong acids, strong bases, strong oxidants.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity	Pulp Cellulose	Ingestion	>5000 mg/kg	Rat	LD50
		Inhalation	>5.8 mg/l/4h	Rat	LC50
		Skin	>2000 mg/kg	Rabbit	LD50
	Phosphoric acid, ammonium salt	Ingestion	>2000 mg/kg	Rat	LD50
		Skin	>2000 mg/kg	Rat	LD50
	Disodium octaborate tetrahydrate	Ingestion	>2550 mg/kg	Rat	LD50
		Inhalation	>2 mg/l/4h	Rabbit	LC50
		Skin	>2000 mg/kg	Rat	LD50
	Petroleum wax emulsion	Ingestion	>5000 mg/kg	Rat	LD50
		Skin	>3160 mg/kg	Rat	LD50
Likely routes of exposure	Skin, eyes. Inhalation (dust).				

Delayed, immediate and chronic effects	**Eye contact**	Not irritating for the eyes of rabbits (OECD 405). Dusts can irritate eyes by mechanical friction.
	Skin contact	Not irritating to the skin of rabbits (OECD 404). Dusts can irritate skin by mechanical friction.
	Inhalation	Dusts may irritate throat and respiratory system and cause coughing.
	Ingestion	Ingestion of large quantities may cause choking.
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	Reproductive toxicity	Animal ingestion studies in several species, at high doses, indicate that borates cause reproductive and developmental effects. The doses that cause these effects are far higher than any levels to which the human population is exposed. A human study of occupational exposure to borate dust showed no adverse effect on reproduction.
	Specific target organ toxicity - single exposure	No target organ is listed.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available for this product.	
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation of the dust mixture was calculated to be greater than 5 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	Fish	LC50>100 ml/L; 96 h (CAS no 65996-61-4)
	Fish - Fathead minnow, Pimephales promelas - fresh water	LC5079.7 mg borate/L; 96 h (CAS no 12280-03-4)
	Aquatic Invertebrate - Ceriodaphnia dubia (fresh water)	EC5091 mg borate/L; 48 h (CAS no 12280-03-4)
	Aquatic plant - Pseudokirchneriella subcapitata - Fresh water static	EC5052.4 mg borate/L; 72 h (CAS no 12280-03-4)
Persistence	Contains an or many ingredients that may be persistent in the environment.	
Degradability	The product is a mixture of which some ingredients are readily biodegradable (> 60% in 28 days) while other ingredients are not readily biodegradable (<60% in 28 days).	
Bioaccumulative potential	Contains constituents which have different bioaccumulation potential.	
Mobility in soil	The product is a mixture whose ingredients have high to low mobility in the soil.	
Other adverse effects	Product will promote algae growth which may degrade water quality and taste. Will release ammonium ions. As pH increases, more alkaline soil, the fraction of the ammonia gas increases. Ammonia is a toxic hazard to fish. This chemical does not deplete the ozone layer.	

13. Disposal considerations

Container	Residuecan be reprocessed (recycled) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No information available for this product.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
2020 Emergency Response Guidebook	N/A
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Pulp Cellulose	65996-61-4		X		
Phosphoric acid, ammonium salt	10124-31-9	X	X		
Disodium octaborate tetrahydrate	12280-03-4				
Petroleum wax emulsion	PWE				

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

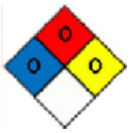
UNITED STATE OF AMERICA

Common name	CAS	TSCA	CERCLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Pulp Cellulose	65996-61-4	X								
Phosphoric acid, ammonium salt	10124-31-9	X								
Disodium octaborate tetrahydrate	12280-03-4									
Petroleum wax emulsion	PWE	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations	Disodium octaborate tetrahydrate (CAS no 12280-03-4) is not included in the Canadian Domestic Substances List (DSL) or in the USA TSCA Inventory because it is a hydrate. However, it is listed in these inventories under its anhydrous form of Disodium octaborate (CAS no 12008-41-2).
	HMIS **NFPA** 

16. Other information

Date (YYYY-MM-DD)	Papiers White BirchMC2025-01-22
Version	01
Other information	REFERENCES: - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/en - NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, https://www.cdc.gov/niosh/npg ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec)

	GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.