

**Section I – Product Information**

Brand Name: Vaporex
Manufacturer: Building Products of Canada Corp
9510, St-Patrick street
LaSalle (Quebec), Canada H8R 1R9
Emergency phone number: CANUTEC 1-888-226-8832
Product Uses: Asphalt based shingle underlayment use in residential roofing or in built-up roofing systems.
WHMIS Classification: This product is not controlled by the WHMIS.
Preparation date: January 2021
Version: 4

Section II – Hazard Identification**Emergency Overview:**

Warning: This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may cause skin, eyes, throat or upper respiratory tract irritations. However, all components are intimately bounded. Thus, the probability being in contact, dust, wood or glass particle is extremely remote. Bitumen when not in its molten state will not cause irritation.

Potential Health Effects (see section 11 for more information)

Inhalation	Exposure to dust produced during handling or cutting the product may cause eye, skin, nose, throat and upper respiratory tract irritation. If respiratory symptoms persist, consult a physician.
Eyes	Dust may cause mechanical irritation. If burning, redness, itching or other symptoms persist, consult a physician.
Skin	Direct contact with dust may cause temporary irritation. Rubbing of this product on skin may cause mechanical abrasion. If symptoms persist, consult a physician.
Ingestion	This product is not intended to be eaten or ingested. Unlikely to occur, but may cause an irritation of the gastrointestinal tract, throat and stomach if ingested.

Acute: Studies found that workers exposed to asphalt fumes have caused irritation of the serous membranes of the conjunctivae (eye irritation) and mucous membrane of the upper respiratory tract (nasal and throat irritation)

Chronic: None known.

Target organs: Eyes, skin and respiratory system.

Primary entry routes: Inhalation, eyes and skin contact.



Carcinogenicity, teratogenicity, embryotoxicity, mutagenicity: This product has no teratogenic, mutagenic, or embryotoxic known effects.

Component	IARC	NTP	ACGIH	CAL-65
Wood Fiber	Not Listed	Not Listed	Not Listed	Not Listed
Starch	Not Listed	Not Listed	Not Listed	Not Listed
Wax	Not Listed	Not Listed	Not Listed	Not Listed
Asphalt fumes (8052-42-4)	Carcinogenic to animals	Not Listed	Suspected Human Carcinogen	Not Listed

*** Felt is made of wood and/or fiberglass. However, bitumen trap wood and / or glass fibers into the product, thus, there is no risk associated

Section III – Composition,/ Information on ingredients

Component	CAS No.	EC No.	Weight %
Wood Fiber	Mixture	Mixture	40 to 60
Starch	9005-25-8	232-679-6	<4
Wax	8002-74-2	232-315-6	<1
Bitumen	8052-42-4	232-490-9	40 to 60

The components declared herein are not considered hazardous components as per WHMIS, OSHA and 29 CFR 1910.1200 legislations.

As per OSHA and WHMIS the above product is considered a consumable item and do not require MSDS or SDS. However we want to disclose as much as possible information relating to health and safety, to ensure that the product is handled and used properly. This SDS contains valuable information for safe handling and proper use of the product. This SDS should be retained and available for employees and other users.

Section IV – First aid measures

Inhalation: In case of inhalation of gas or vapor, remove person to fresh air. If breathing is difficult or ceases, administer oxygen. If symptoms persist, consult a physician. This will only happen upon combustion.

Skin contact: Wash skin with soap and water. If irritation persists, consult a physician.

Eye contact: Flush eyes with water for 15 to 20 minutes. If irritation persists, consult a physician.

Ingestion: This product is not intended to be eaten. Ingestion is unlikely to occur. If ingestion occurs, consult a physician.

Medical conditions which may be aggravated: Pre-existing respiratory and lung diseases such as bronchitis, emphysema or asthma. Pre-existing skin conditions such as rashes and dermatitis.

Notes to the physician: This product is a mechanical irritant, acute exposure is not expected to produce any chronic health effect. Treatment should be aimed at alleviating symptoms.



Section V – Fire Fighting measures

Flash Point: > 200°C
 Auto-Inflammation Temperature: > 400°C
 Flammable Limits in air : Upper Flammable Limit (UFL): No object
 Lower Flammable Limit (LFL): No object
 Flammability Classification: Not Applicable
 Rate of Burning: Not Applicable
 Specific Dangers: None
 Combustion products: Fire gives off normal combustion products.
 Fire Fighting Agents: Use dry powder, foam and water spray or appropriate extinguishing media for surrounding materials on fire.
 Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing (see section 8).

Section VI – Accidental release measures

Containment: No special measure.
 Clean-up: No special measure.
 Disposal: The finished product is an asphalt-based solid. Follow all local, municipal, provincial, state and federal regulations. To remove, use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.

Section VII – Handling and storage

Handling: Under normal condition this product represents no specific risks. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Use personal protective equipment as required (see section 8). Avoid frequent or prolonged inhalation of dust and fumes. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Use good safety and industrial hygiene practices.
 Storage: Store flat, in a dry, well ventilated place and away from sources of excessive heat. Product should be protected from the weather and direct sunlight.

Section VIII – Exposure controls/personal protection

Component	Weight %	TLV (mg/m ³)	PEL (mg/m ³)
Wood Fiber	40 to 60	Not established	Not established
Bitumen	40 to 60	Not established	Not established
Starch	<4	10	Total: 15 Respirable: 5
Wax fumes	---	2	2
Asphalt fumes	---	0.5	Not established

Treated as wood fiber product without possibility for presence of aerial wood dust.

ENGINEERING CONTROLS: Provide sufficient ventilation, i.e., enough to control airborne dust levels. Use ventilation to keep dust concentrations below permissible exposure limits. If cutting or trimming with power tools, dust collectors and local ventilation should be used. Avoid unnecessary exposure to dust and handle with care. Keep work area clean of dust by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.

If engineering controls are not possible, use safety glasses, gloves and dust respirator mask. Wear a NIOSH/MSHA approved respirator



with cartridges in poorly ventilated areas or if TLV is exceeded.

Section IX – Physical and chemical properties

Appearance at 25°C:	Solid
Odor:	Neutral
pH:	No object
Density:	> 1 g/cm ³
Melting Point:	No object
Freezing Point:	No object
Boiling Point:	No object
Evaporation Rate:	No object
Vapor Tension:	No object
Vapor Density:	No object
Relative Density (water = 1):	> 1
Solubility:	Insoluble in water
Decomposition Temperature:	Not measured
VOC	None

Section X – Stability and reactivity

Stability:	Stable.
Condition to avoid:	Contact with moisture and humidity may alter the product and even cause some mold development.
Incompatibility:	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition	The decomposition products are those expected from hydrocarbon based products. These decomposition products may include carbon oxides and carbon particles. Thermal-oxidative degradation of asphalt produces irritating fumes and gases.

Section XI – Toxicological information

Acute Effects:	None are known for the product.
Chronic Effects/Carcinogenicity	None are known for the product.

Section XII – Ecological Information

Environmental Toxicity:	This product has no known adverse effect on ecology
Ecotoxicity Value:	Not determined

Section XIII – Disposal considerations

Disposal:	The finished product is an asphalt-based solid. It may be recycled in local facilities. If unable to recycle dispose of the material in accordance with all local, municipal, provincial, state and federal regulations. Use standard means approved for disposal. Dispose in a landfill or use any other method prescribed by regulation.
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**Section XIV – Transport information**

U.S. DOT INFORMATION: Not a hazardous material per DOT shipping requirements. Not classified or regulated.

Shipping Name: Same as product name.

Hazard Class: Not classified.

UN/NA #: None / Not classified.

Packing Group None.

Label (s) Required Not applicable.

GGVSeb/MDG-Code Not classified.

ICAO/IATA-DGR Not applicable.

RID/ADR None.

ADNR None.

Canadian Transportation of Dangerous Goods (TDG): Not a dangerous good.

Section XV – Regulatory information

Canada: WHMIS Classification: Not a controlled product
All the ingredients are part of the Domestic Substance List (DSL)

United State: All the ingredients contained in the product are included in U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory

This product does not contain hazardous component as per WHMIS, OSHA, 29 CFR 1910.1200, SARA 302, 304 and 313, CERCLA CAA section 112 or RCRA hazardous legislations.

As per OSHA and WHMIS the above product is considered a consumable item and do not require MSDS or SDS. However we want to disclose as much as possible information relating to health and safety, to ensure that the product is handled and used properly. This SDS contains valuable information for safe handling and proper use of the product. This SDS should be retained and available for employees and other users.

European Union Dangerous Substances Directive 67/548/EEC
R-Phrase(s): R36/37/38 (2001/59/EC)
S-Phrase(s): None Known (2006/102/EC)

Fumes may cause irritation to the eyes, respiratory system and skin. Continuous exposure to Hydrogen Sulfide can cause unconsciousness, and even death. Hazard Symbols: Xi, Xn, T. Risk Phrases: R23, 36/37/38, 42/43, 44, 48/49.

Section XVI – Other information

Caution!
Dust can cause eyes, skin and respiratory tract irritations. Cut and trim with a knife or hand saw to minimize dust levels. Wear eye, skin and respiratory protection as necessary per working conditions (see section 8). If eye contact occurs flush with water for 15 to 20 minutes. Do not ingest. If ingested, call a physician. KEEP OUT OF REACH OF CHILDREN.

NFPA Ratings: Health 1; Fire 1; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask).

HMIS Ratings: Health 1; Fire 1; Reactivity 0; Personal protection E (Safety glasses, gloves and dust respirator mask)

NFPA and HMIS hazard category: 0= minimal, 1= Slight, 2 = Moderate, 3 = Serious, 4= Severe

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Since this product is a "Manufactured Article". Building Products of Canada Corp. is not required by law to produce a Material Safety Data Sheet or a Safety Data Sheet. This Safety Data Sheet is provided as customer service information. The recommendations and data presented are believed to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of this information.