



# SAFETY DATA SHEET VAPOUR BLOCK

## 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

**Identification of Preparation:** VAPOUR BLOCK  
**Date of Safety Data Sheet:** November 25, 2018.  
**Use of Preparation:** Surface Odour Counteractant.  
**Company Identification:** Brodi Specialty Products Ltd.  
3175 14<sup>th</sup> Ave., Unit 1  
Markham, Ontario L3R 0H1

**Company Emergency Telephone Number** Emergency Phone: 1-877-744-0751

**Transportation Emergency Telephone Number** 1-877-744-0751

## 2. HAZARD IDENTIFICATION

**Emergency Overview:**  
**OSHA / WHMIS 2015 Hazards**  
**Classification of substance or mixture**  
**GHS-US/Canadian classification:**  
Acute Toxicity (Oral) Category 5 H303  
Aspiration Hazard Category 1 H304  
Skin Sensitizer Category 1 H317  
Eye Irritant Category 2A H319  
**Label Elements**  
**GHS-US / Canadian Labeling**  
**Hazard Pictograms (GHS):**



**Signal Word (GHS):** Danger.  
**Hazard Statements (GHS):**  
H303: May be harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
**Precautionary Statements (GHS):**  
P264: Wash skin thoroughly after handling.  
P272: Contaminated work clothing must not be allowed out of the work place.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response Statements (GHS):**  
P301 + P310+P331- IF SWALLOWED: Immediately call a POISON CENTER or doctor/



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physician. Do NOT induce vomiting.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313: If skin irritation or a rash occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/ attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Description:** Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	80-100	Flammable Liquids Category 4 – H227 Aspiration Hazard Category 1 – H304
D Limonene	5989-27-5	0.5 - 1.5	Flammable Liquids Category 3 – H226 Acute Toxicity (Oral) Category 4 - H302 Aspiration Hazard Category 1- H304 Skin Corrosion/Irritation Category 2 - H315 Skin Sensitisation Category 1- H317 STOT (Single Exposure) Narcotic Effect Category 3 – H336

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms persist consult physician.
<b>Eye Contact:</b>	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists, get medical attention.
<b>Skin Contact:</b>	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
<b>Ingestion:</b>	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
<b>Notes to Physician:</b>	If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Flood with water for extinguishing agent. CO <sub>2</sub> , dry chemical, alcohol resistant foam
<b>Unsuitable extinguishing media:</b>	None known.
<b>Special exposure hazards</b>	Thermal decomposition releases irritating gases.
<b>Special safety equipment:</b>	Self-contained positive pressure breathing apparatus and protective clothing.
<b>Fire and explosion</b>	Not flammable. Not an explosive hazard.
<b>Further information</b>	Keep containers and surrounding cool with water spray.



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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

#### Environmental Precautions

Prevent entry to sewers and public waters.

#### Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately with absorbent and dispose of waste safely.

#### Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

#### Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

#### Conditions for safe storage, including any incompatibilities:

**Storage:** Acids, Oxidizers, reducing agents.

#### Requirements to be met by storerooms and receptacles:

Store in a cool location.

#### Information about storage in one common storage facility:

Do not store together with alkaline products or strong acids.

Store away from oxidizing agents.

Store away from foodstuffs.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

**Specific end use(s)** No further relevant information available.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Respiratory protection:

Use local exhaust or dilution ventilation.

#### Hand protection:

Impervious gloves

#### Eye protection:

Safety goggles or full-face shield.

#### Skin protection:

Full body covering clothing.

#### Working hygiene:

Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.



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### Exposure Guidelines:

D Limonene: TWA (ACGIH) 30 ppm.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Odour Threshold</u>	<u>Remarks/Method</u>
<b>Physical State</b>	Liquid		
<b>Appearance</b>	Transparent.	<b>Odour</b>	Light Citrus.
<b>Colour</b>	Yellow		No data available.
<b>pH</b>	Not applicable		
<b>Melting/Freezing Point</b>	No data available		
<b>Boiling Point/Range</b>	No data available		
<b>Flash Point</b>	112 °C.		
<b>Evaporation Rate</b>	Similar		
<b>Flammability (solid, gas)</b>	Not flammable		
<b>Flammability Limit in Air:</b>			
<b>Upper Limit</b>	No data available		
<b>Lower Limit</b>	No data available		
<b>Vapour Pressure</b>	No data available		
<b>Vapour density</b>	No data available		
<b>Specific Gravity</b>	0.84 (+/- 0.5) g/cm <sup>3</sup>		
<b>Water Solubility</b>	Not soluble.		
<b>Solubility Other Solvents</b>	No data available		
<b>Partition Coefficient:</b>			
<b>n-octanol/water</b>	No data available		
<b>Autoignition temperature</b>	No data available		
<b>Decomposition Temperature</b>	No data available		
<b>Viscosity</b>	Very thin oil.		
<b>Explosive Properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		

### Other Properties:

<b>Softening Point</b>	No data available
<b>VOC Content %</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable.
<b>Chemical stability</b>	Stable under recommended handling and storage conditions (see section 7).
<b>Thermal decomposition/conditions to avoid:</b>	No decomposition if used and stored according to specifications. Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Extremely high or low temperatures.

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Hazardous decomposition products	Carbon oxides (CO, CO <sub>2</sub> ).
Materials to avoid	Oxidizing and reducing agents. Strong acids.
Hazardous polymerization	Will not occur

### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

**Acute toxicity:** Harmful if swallowed.

**LD/LC50 values relevant for classification:**

Calculated LD 50 (Oral) Rat > 2,000 mg per Kg

**On the skin:** Causes drying of the skin.

**On the eye:** Causes pain and redness.

**Respiratory or Skin Sensitization:** D Limonene is classified as a skin sensitizer.

**Additional toxicological information:**

**Carcinogenicity:** Not classified as hazardous.

**Reproductive Toxicity:** Not classified as hazardous.

**Specific Target Organ Toxicity**

**Single Exposure:** Not classified as hazardous.

**Specific Target Organ Toxicity**

**Repeated Exposure:** Not classified as hazardous.

**Aspiration Hazard:** Not an aspiration hazard.

### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not classified
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects</b>	
<b>Other Information:</b>	All of the organic components of this product are readily biodegradable.
<b>Aquatic Toxicity:</b>	No data available.
<b>Toxicity to algae, fish invertebrates</b>	No data available
<b>Biodegradation:</b>	No data available.

### 13. DISPOSAL

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

### 14. TRANSPORTATION INFORMATION

**Canadian TDG (Road & Rail):** Not Regulated

**U.S. Department of Transportation (DOT):** Not Regulated

**Water Transportation (IMDG):** Not Regulated

**Air Transportation (IATA):** Not Regulated

### 15. REGULATORY INFORMATION

#### Occupational Health & Safety

#### Regulations:

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WHMIS 1988 Classification: Class D - Division 2B.



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

## International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### HMIS III Rating

Health: 2 Hazard

Flammability: 1 Slight Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS (GHS HazCom 2012 and WHMIS 2015)

## 16. OTHER INFORMATION



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**Prepared By:** Technical Department.

**Issuing Date:** April 4, 2018.

**Revision Date:** June 19, 2018

**Revision Notes:** Updates made based on Flammability Test Results June 14, 2018: GHS Classification, GHS Hazards, Hazard Statements, Precautionary Statements, Firefighting Measures, Handling and Storage, Physical Properties- Flash Point and Transportation Information.

**Revision Date:** November 25, 2018

**Revision Notes:** Corrections made to the updates based on Flammability Test Results June 14, 2018: Firefighting Measures – Combustible removed, and Not Flammable added and Physical Properties- Flash Point corrected as well as new address under Company Identification.

**Disclaimer:**

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the 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.

**End of Safety Data Sheet**