

# Bio-C

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Revision Date: 01/19/2016 Date of issue: 01/19/2016

Version: 1.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** Bio-C

### Intended Use of the Product

Powerful concentrate. Includes enzymes and nonpathogenic bacterial cultures to breakdown organic waste. Unique formula contains 255 billion colony-forming bacterial units per gallon along with Vaportek's odor neutralizer.

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Vaportek  
W226N6339 Village Drive  
Sussex, WI 53089  
info@vaportek.com  
262.246.5060

#### **Emergency Telephone Number**

**Emergency Number** : 262.246.5060

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **GHS-US classification**

Skin Sens. 1 H317

Aquatic Acute 3 H402

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

### Label Elements

#### **GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :



GHS07

**Signal Word (GHS-US)** :

Warning

**Hazard Statements (GHS-US)** :

H317 - May cause an allergic skin reaction.  
H402 - Harmful to aquatic life.  
H412 - Harmful to aquatic life with long lasting effects.

**Precautionary Statements (GHS-US)** :

P261 - Avoid breathing vapors, mist, or spray.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

#### **Other Hazards**

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### **Unknown Acute Toxicity (GHS-US)**

Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### Mixture

Name	Product Identifier	% (w/w)
Water	(CAS No) 7732-18-5	60
1,2-Propylene glycol	(CAS No) 57-55-6	10 - 30
D-Limonene	(CAS No) 5989-27-5	0.2 - 0.25
n-Amyl acetate	(CAS No) 628-63-7	0.025 - 0.1
Cinnamaldehyde	(CAS No) 104-55-2	0.025 - 0.1
Oils, clove leaf, crude	(CAS No) 8015-97-2	0.025 - 0.1
.alpha.-Pinene	(CAS No) 80-56-8	0.025 - 0.1

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Skin sensitization.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** May cause an allergic skin reaction.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Not available

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing.

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### 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. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 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:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### Specific End Use(s)

Powerful concentrate. Includes enzymes and nonpathogenic bacterial cultures to breakdown organic waste. Unique formula contains 255 billion colony-forming bacterial units per gallon along with Vaportek's odor neutralizer.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

<b>D-Limonene (5989-27-5)</b>		
<b>USA AIHA</b>	WEEL TWA (ppm)	30 ppm
<b>n-Amyl acetate (628-63-7)</b>		
<b>Mexico</b>	OEL TWA (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
<b>Mexico</b>	OEL TWA (ppm)	100 ppm
<b>Mexico</b>	OEL STEL (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
<b>Mexico</b>	OEL STEL (ppm)	150 ppm
<b>USA ACGIH</b>	ACGIH TWA (ppm)	50 ppm
<b>USA ACGIH</b>	ACGIH STEL (ppm)	100 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	525 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)	100 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	525 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	100 ppm
<b>USA IDLH</b>	US IDLH (ppm)	1000 ppm
<b>Alberta</b>	OEL STEL (mg/m <sup>3</sup> )	532 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL (ppm)	100 ppm
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	266 mg/m <sup>3</sup>

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<b>Alberta</b>	OEL TWA (ppm)	50 ppm
<b>British Columbia</b>	OEL STEL (ppm)	100 ppm
<b>British Columbia</b>	OEL TWA (ppm)	50 ppm
<b>Manitoba</b>	OEL STEL (ppm)	100 ppm
<b>Manitoba</b>	OEL TWA (ppm)	50 ppm
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	532 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (ppm)	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL (ppm)	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	50 ppm
<b>Nova Scotia</b>	OEL STEL (ppm)	100 ppm
<b>Nova Scotia</b>	OEL TWA (ppm)	50 ppm
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL (ppm)	150 ppm
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (ppm)	100 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	100 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	50 ppm
<b>Ontario</b>	OEL STEL (ppm)	100 ppm
<b>Ontario</b>	OEL TWA (ppm)	50 ppm
<b>Prince Edward Island</b>	OEL STEL (ppm)	100 ppm
<b>Prince Edward Island</b>	OEL TWA (ppm)	50 ppm
<b>Québec</b>	VECD (mg/m <sup>3</sup> )	532 mg/m <sup>3</sup>
<b>Québec</b>	VECD (ppm)	100 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	266 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	50 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	100 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	50 ppm
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	780 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (ppm)	150 ppm
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	525 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA (ppm)	100 ppm
<b>.alpha.-Pinene (80-56-8)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	20 ppm
<b>USA ACGIH</b>	ACGIH chemical category	dermal sensitizer,Not Classifiable as a Human Carcinogen
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	111 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (ppm)	20 ppm
<b>British Columbia</b>	OEL TWA (ppm)	20 ppm
<b>Manitoba</b>	OEL TWA (ppm)	20 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	20 ppm
<b>Nova Scotia</b>	OEL TWA (ppm)	20 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	30 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	20 ppm
<b>Ontario</b>	OEL TWA (ppm)	20 ppm
<b>Prince Edward Island</b>	OEL TWA (ppm)	20 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	112 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	20 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	30 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	20 ppm
<b>1,2-Propylene glycol (57-55-6)</b>		
<b>USA AIHA</b>	WEEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (for assessing the visibility in a work

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		environment where 1,2-Propylene glycol aerosol is present-aerosol only 155 mg/m <sup>3</sup> (aerosol and vapor)
Ontario	OEL TWA (ppm)	50 ppm (aerosol and vapor)

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Not available
Odor	: Not available
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

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### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

**Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

#### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

<b>D-Limonene (5989-27-5)</b>	
LD50 Oral Rat	4400 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
<b>Cinnamaldehyde (104-55-2)</b>	
LD50 Oral Rat	2220 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
<b>Oils, clove leaf, crude (8015-97-2)</b>	
ATE US (oral)	500.00 mg/kg body weight
<b>.alpha.-Pinene (80-56-8)</b>	
LD50 Oral Rat	3700 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
<b>1,2-Propylene glycol (57-55-6)</b>	
LD50 Oral Rat	20 g/kg
LD50 Dermal Rabbit	20800 mg/kg
<b>D-Limonene (5989-27-5)</b>	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
<b>Benzyl acetate (140-11-4)</b>	
IARC Group	3

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### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - General:** Harmful to aquatic life with long lasting effects.

<b>D-Limonene (5989-27-5)</b>	
LC50 Fish 1	0.619 (0.619 - 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.421 mg/l
LC 50 Fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
<b>n-Amyl acetate (628-63-7)</b>	
LC50 Fish 1	650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	53 mg/l
<b>.alpha.-Pinene (80-56-8)</b>	
LC50 Fish 1	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,2-Propylene glycol (57-55-6)</b>	
LC50 Fish 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
LC 50 Fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 2	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

#### Persistence and Degradability

<b>BIO-C</b>	
Persistence and Degradability	May cause long-term adverse effects in the environment.

#### Bioaccumulative Potential

<b>BIO-C</b>	
Bioaccumulative Potential	Not established.

<b>Cinnamaldehyde (104-55-2)</b>	
Log Pow	2.22 (at 18 °C)

<b>.alpha.-Pinene (80-56-8)</b>	
Log Pow	4.1

<b>1,2-Propylene glycol (57-55-6)</b>	
BCF Fish 1	< 1
Log Pow	-0.92

**Mobility in Soil** Not available

#### Other Adverse Effects

**Other Information:** Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### SECTION 14: TRANSPORT INFORMATION

<b>In Accordance with DOT</b>	Not regulated for transport
<b>In Accordance with IMDG</b>	Not regulated for transport
<b>In Accordance with IATA</b>	Not regulated for transport
<b>In Accordance with TDG</b>	Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

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<b>BIO-C</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>D-Limonene (5989-27-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>n-Amyl acetate (628-63-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>Cinnamaldehyde (104-55-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>.alpha.-Pinene (80-56-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1,2-Propylene glycol (57-55-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

### US State Regulations

<b>n-Amyl acetate (628-63-7)</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>.alpha.-Pinene (80-56-8)</b>	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	
<b>1,2-Propylene glycol (57-55-6)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	

### Canadian Regulations

<b>BIO-C</b>	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	
<b>Water (7732-18-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>D-Limonene (5989-27-5)</b>	
Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects



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<b>n-Amyl acetate (628-63-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 2 - Flammable Liquid
<b>Cinnamaldehyde (104-55-2)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 0.1 %	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>.alpha.-Pinene (80-56-8)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>1,2-Propylene glycol (57-55-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

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

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 01/19/2016  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor

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H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

### Party Responsible for the Preparation of This Document

Vaportek  
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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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