

USA – According to the OSHA Hazard Communication Standard (2012)  
 Canada – According to the Hazardous Products Regulations (WHMIS 2015)  
 Mexico – According to NMX-R-019-SCFI-2011 and NOM-018-STPS-2000

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**Trade name:** ECOZ Linen™

**SECTION 1: Identification / Identification of the dangerous chemical substance or mixture and the supplier or manufacturer**

**Product identifier:** ECOZ Linen™  
 Vaportek Ecoz Liquid Concentrate Odor Neutralizer – Linen Variety  
**Product Code Number:** 90-1901, 90-1903, 90-1905  
**Recommended use:** Concentrated, water-soluble, odor-neutralizing liquid. Specifically formulated for commercial and industrial use on floors, walls and other surfaces.  
**Recommended restrictions:** Uses other than as recommended above.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** Vaportek Inc.  
**Company Address:** W226 N6339 Village Drive  
 Sussex, WI, 53089  
 USA  
**Website:** [www.vaportek.com](http://www.vaportek.com)  
[info@vaportek.com](mailto:info@vaportek.com)  
**Company Telephone:** 1-800-237-6367  
 (262) 246-5060  
 Hours of operation: 7:00 AM – 4:00 PM Mon-Fri. (CST)  
**Emergency phone number:** 1-800-237-6367  
 (262) 246-5060  
 Hours of operation: 7:00 AM – 4:00 PM Mon-Fri. (CST)

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with the OSHA Hazard Communication Standard (2012) – Hazcom 2012, Hazardous Products Regulations (2015) (Canada) Workplace Hazardous Materials Information System (WHMIS 2015) and Mexican NMX-R-019-SCFI-2011 and NOM-018-STPS-2000:**

**Classification of the Substance or Mixture (USA, Canada)**

Eye Irritation Cat 2A	H319	Causes serious eye irritation
Skin Sensitization Cat 1	H317	May cause an allergic skin reaction

**Label Elements (USA, Canada):**

Pictograms :



GHS07

**Signal Word** : WARNING  
**Hazard Phrases** : H317 – May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
**Precautionary Phrases** : P261 – Avoid breathing mist, vapors or spray  
 P264 - Wash hands thoroughly after handling

P272 - Contaminated work clothing must not be allowed out of the workplace  
 P280 - Wear protective gloves/ protective clothing/ eye protection  
 P302+P352 - If on skin: Wash with plenty of water and soap  
 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 rash occurs: Get medical advice/attention  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P363 – Wash contaminated clothing before reuse  
 P501 - Dispose of contents/container to a licensed waste disposal contractor or collection site.

**Hazard(s) or Health and Physical Hazard(s) not otherwise Classified (HNOC):** Not applicable.

**Percentage of ingredient(s) of unknown acute toxicity:**

Not applicable

**Classification of the Substance or Mixture (Mexico)**

Eye Irritation Cat 2A	H319	Causes serious eye irritation
Skin Irritation Cat 3	H316	Causes mild skin irritation
Skin Sensitization Cat 1	H317	May cause an allergic skin reaction
Acute Aquatic Toxicity Cat 2	H401	Toxic to aquatic life

**Label Elements (Mexico):**

Pictograms (GHS-MX)



GHS07

Signal Word (GHS-MX)

: WARNING

Hazard Phrases (GHS-MX)

: H316 – Causes mild skin irritation  
 H317 – May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H401 - Toxic to aquatic life

Precautionary Phrases (GHS-MX)

: P261 – Avoid breathing mist, vapors or spray  
 P264 - Wash hands thoroughly after handling  
 P272 - Contaminated work clothing must not be allowed out of the workplace  
 P273 – Avoid release to the environment  
 P280 - Wear protective gloves/ protective clothing/ eye protection  
 P302+P352 - If on skin: Wash with plenty of water and soap  
 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 rash occurs: Get medical advice/attention  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P363 – Wash contaminated clothing before reuse  
 P501 - Dispose of contents/container to a licensed waste disposal contractor or collection site.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

Name	CAS Registry Number	Concentration (% weight)*
Alcohols, C <sub>6-10</sub> , ethoxylated propoxylated	68987-81-5	10-30
Hexyl cinnamic aldehyde	101-86-0	0.1-1
Hydroxy-citronellal	107-75-5	0.1-1

Cyclamen aldehyde	103-95-7	0.1-1
Benzyl salicylate	118-58-1	0.1-1
4-tert-butylcyclohexyl acetate	32210-23-4	0.1-1
Coumarin	91-64-5	0.1-1
Acetyl cedrene	32388-55-9	0.1-1
Methyl gamma ionone	127-51-5	0.1-1
Clove leaf oil	8000-34-8	0.1-1

\* The specific percentage is being withheld as a trade secret.

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

*Inhalation:* Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms occur..

*Skin contact:* Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

*Eye contact:* Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: Get medical advice/attention.

*Ingestion:* If ingested, and if person is conscious and lucid, rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Drink water and contact a physician.

*Most important symptoms/effects, acute and delayed:* May cause eye irritation including tearing and redness. May cause skin sensitization which may result in redness, irritation and swelling. May cause mild skin irritation including redness.

*Indication of immediate medical attention and special treatment needed:* No additional information available.

**SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Product is not anticipated to support combustion. Use appropriate extinguishing media for surrounding materials.

**Unsuitable extinguishing media:** None known

**Specific hazards arising from the chemical:**

Not expected to be a fire/explosion hazard under normal conditions of use. Heat may build pressure and rupture closed containers. Thermal decomposition may generate: aldehydes, irritating vapours, carbon dioxide, carbon monoxide and unidentified organic compounds.

**Special protective equipment and precautions for fire-fighters:** Exercise caution when fighting any chemical fire. Wear complete protective clothing including self-contained breathing apparatus.-

**SECTION 6: Accidental release measures / Measures to be taken in case of accidental spill or accidental release**

**Personal precautions, protective equipment and emergency procedures:** Wear appropriate Personal Protective Equipment (PPE) (See information provided in Section 8). Avoid inhalation of vapors or mists of product and avoid all contact with eyes, skin and clothing.

**Methods and material for containment and cleaning up:** Cover spill with a non-combustible inert absorbent and place in a approved disposal container (See Section 13). In case of a large spill, ventilate the area and absorb with an inert absorbent. Avoid releases to sewers or watercourses. Wear appropriate PPE when cleaning up spilled material (See Section 8).

**SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wear appropriate personal protective equipment (See Section 8). Do not inhale vapors or mists of the product. Wash hands, forearms, face and clothing thoroughly after handling the product. Contaminated work clothing should not leave the workplace. Do not eat, drink or smoke while handling this product.

**Conditions for safe storage, including any incompatibles:** Keep in a cool, dry and well-ventilated area.

**SECTION 8: Exposure controls/personal protection**

**Occupational exposure limits:**

The components are not known to have any applicable exposure limits. Check your local requirements.

**Appropriate engineering controls:** Use engineering controls to maintain airborne levels at the minimum level possible. Local ventilation is recommended. Ventilation rates should be matched to conditions.

**Individual protection measures, such as personal protective equipment:**

*Eye/face protection:* In case of use or storage where excessive vapor is released or if mists are formed, wear protective safety goggles to protect eyes from exposure to product.

*Skin and Hand protection:* Avoid skin contact. Wear suitable protective clothing and protective gloves.

*Respiratory protection:* If engineering controls do not keep airborne concentrations below acceptable limits an approved respirator must be worn. A chemical cartridge respirator should be used if excessive vapor or mists are present. Seek guidance from your respiratory protection supplier or your health and safety expert.

*Thermal hazards:* Not applicable based on recommended uses.

*General provisions:* Minimize exposure to skin and avoid generation of mists or excessive vapor. Ensure appropriate personal protective equipment is available in the workplace. Respect all appropriate legislation regarding health and safety in the workplace and follow all recommends from your health and safety committee.

**SECTION 9: Physical and chemical properties**

<b>Appearance:</b>	Slightly yellow liquid
<b>Odor/odour:</b>	Floral odor
<b>Odor/odour threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/freezing point:</b>	Not available
<b>Initial Boiling Point and boiling range:</b>	>200°F
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor/Vapour pressure:</b>	Not available
<b>Vapor/Vapour density (air=1):</b>	Not available
<b>Relative density (water = 1):</b>	Not available
<b>Solubility(ies):</b>	completely miscible in water
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

**SECTION 10: Stability and Reactivity**

**Reactivity:** Stable under normal anticipated conditions of use, but may react with incompatible materials.

**Chemical stability:** Stable under normal anticipated conditions of use.

**Possibility of hazardous reactions:** Hazardous reactions are not anticipated.

**Conditions to avoid:** Avoid contact with incompatible materials. No other known conditions to avoid.

**Incompatible materials:** Strong acids and bases, reducing agents and oxidizing agents,

**Hazardous decomposition products:** Decomposition may generate: irritating vapours, carbon dioxide, carbon monoxide and unidentified organic compounds.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:** Ingestion, inhalation, contact with skin and eyes.

**Symptoms related to the physical, chemical, and toxicological characteristics:** May cause eye irritation including tearing and redness. May cause skin sensitization which may result in redness, irritation and swelling. May cause mild skin irritation including redness.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**

*Skin Irritation and Corrosion:* Not anticipated to cause more than mild skin irritation based on information available on the product and the known components in the product. May cause dryness upon prolonged exposure.

*Serious Eye Damage/ Eye Irritation:* Causes eye irritation (Alcohols, C<sub>6-10</sub>, ethoxylated, propoxylated).

*Respiratory Sensitization:* Not anticipated to cause respiratory sensitization based on information available on the product and the known components of the product.

*Skin Sensitization:* Based upon information on a component(s) of this product, this product may cause skin sensitization upon repeated or prolonged exposure (Hexyl cinnamic aldehyde, Hydroxy-citronellal, Cyclamen aldehyde, Benzyl salicylate, 4-tert-butylcyclohexyl acetate, Coumarin, Acetyl cedrene, Methyl gamma ionone, and Clove leaf oil).

*Germ Cell Mutagenicity:* Not anticipated to cause mutagenicity based on information available on the product and the known components of the product.

*Carcinogenicity:* Not anticipated to cause cancer based on information available on the product. None of the ingredients in this product is listed as a carcinogen by ACGIH, IARC or NTP.

*Reproductive Toxicity:* Not anticipated to cause reproductive toxicity, including effects on fertility, the unborn child or on or via lactation based upon available information and the known components of the product.

*Specific Target-Organ Toxicity – Single Exposure:* Not anticipated to cause specific target organ toxicity following single exposure, based on information available on the product and the known components of the product.

*Specific Target-Organ Toxicity – Repeated Exposure:* Not anticipated to cause specific target organ toxicity following repeated or prolonged exposure, based on information available on the product and the known components of the product.

*Aspiration Hazard:* Not anticipated to be an aspiration hazard if swallowed.

**Numerical measures of toxicity:**

<b>Alcohols, C<sub>6-10</sub>, ethoxylated propoxylated (68987-81-5)</b>	
LD50 oral rat	2380-2745 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat	>50 mg/L/4H

**Acute Toxicity Estimate (ATE) of the product:**

Acute Toxicity (oral) – >5000 mg/kg  
 Acute Toxicity (dermal) – >5000 mg/kg  
 Acute Toxicity (inhalation) – >50 mg/L/4H

**Further information:** Not available

**SECTION 12: Ecological information**

**Ecotoxicity: Acute Ecotoxicity Data**

*Product data:* Not available

*Ingredient data:*

<b>Alcohols, C6-10, ethoxylated propoxylated (68987-81-5)</b>	
LC <sub>50</sub> (Fish – Fathead minnow) ( <i>Pimephales promelas</i> )	1-10 mg/L/96H
EC <sub>50</sub> Aquatic invertebrates	1-10 mg/L/48H
EC <sub>50</sub> Algae	1-10 mg/L/120H

**Persistence and Degradability:** No biodegradation data is available for this product; however, the components of this product are all anticipated to be at least inherently biodegradable.

**Bioaccumulative Potential:** Unknown.

**Mobility in Soil:** Not available

**Other adverse effects:** None known

**SECTION 13: Disposal considerations / Information on the disposal of products**

**Disposal instructions:**

*Product:* Dispose in accordance with applicable federal, state/provincial, and local regulations.

*Contaminated packaging:* Since emptied containers retain product residue, follow label warnings even after container is emptied.

**SECTION 14: Transport Information**

**Land transport DOT (US-DOT):** Not regulated

**TDG (Transportation of Dangerous Goods) (Canada):** Not regulated

**IATA (International Air Transport Association):** Not regulated

**IMDG (International Maritime Dangerous Goods Code):** Not regulated

**SECTION 15: Regulatory Information**

**Canada:**

*Classification according to the Hazardous Products Regulations (WHMIS 2015):* (See Section 2) This SDS complies with the Hazardous Products Regulations (WHMIS 2015).

*Canadian Environmental Protection Act (CEPA) Domestic Substances List (DSL):* One or more components of this product are not listed on the DSL.

*Substances Categorized in under the Categorization and Screening of the DSL (CSDSL) efforts:* Multiple components were categorized in for further screening under the CSDSL including the following disclosed components: Hexyl cinnamic aldehyde; and Methyl gamma ionone.

*Environment Canada’s (EC) National Pollutant Release Inventory (NPRI):* No reviewed components are listed on the 2014-2015 NPRI list.

*Environmental Emergencies Regulations:* No reviewed components require an Environmental Emergency Plan (E2 Plan) under the EER.

**Mexico:**

*Classification according to NMX-R-019-SCFI-2011 harmonized system of classification and hazard communication of chemicals and NOM-018-STPS-2014, Harmonized System for the Identification and Communication of Hazards and Risks of Hazardous Chemicals in the Workplace:* See section 2.

**USA:**

*Classification according to the OSHA Hazard Communication Standard (HCS) 2012:* See Section 2. This Safety Data Sheet complies with the OSHA Hazcom 2012 requirements.

*TSCA Inventory:* All applicable components of this product are listed on the TSCA Inventory or are exempt from listing on the TSCA Inventory.

*Superfund or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):* No known components are present on the CERCLA list.

*Emergency Planning and Community Right to Know Act (EPCRA) 302 (SARA 302):* No reviewed components are listed.

*SARA 313 – Toxic Release Inventory (TRI):* No known components of this product are present on the TRI.

*California Proposition 65:* No reviewed components are listed.

*New Jersey Right To Know (NJ-RTK):* No known components of this product are present on the NJ-RTK list.

**SECTION 16: Other Information / Other information on the preparation and revision of safety data sheets**

Revision Date: August 26, 2019

**Acronyms used in this SDS:**

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
EC50	Effective Concentration, 50%
GHS-CA/US/MX	Globally Harmonized System – Canada / United States / Mexico (as appropriate)
HMIS	Hazardous Materials Identification System
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration (US)
NFPA	National Fire Protection Association (US)
NIOSH	National Institute for Occupational Safety and Health (US)
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
US DOT	United States Department of Transport
WEEL	Workplace Environmental Exposure Levels

**Disclaimer:**

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