

USA – According to the OSHA Hazard Communication Standard (2012)

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Trade name:	Waterless VapoPad
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SECTION 1: Identification / Identification of the dangerous chemical substance or mixture and the supplier or manufacturer

Product identifier: Waterless VapoPad
Product Code Number: 34-7035
Recommended use: For use in most brands of Plug-in and waterless Vaporizers. Scent pads work with heat to gradually release soothing aromatic vapors.
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
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:

Classification of the Substance or Mixture (USA)

Flammable liquids – Category 4	H227	Combustible liquid
Skin irritation – Category 2	H315	Causes skin irritation
Eye irritation – Category 2A	H319	Causes serious eye irritation
Skin Sensitization - Category 1	H317	May cause an allergic skin reaction
Specific Target Organ Toxicity – Single	H335	May cause respiratory irritation
Exposure – Category 3 – Respiratory irritation, Narcotic effects	H336	May cause drowsiness or dizziness

Label Elements (USA):

Pictograms :



Signal Word :

WARNING

Hazard Phrases :

H227 – Combustible liquid
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation

Precautionary Phrases : H335 - May cause respiratory irritation
 H336 - May cause drowsiness or dizziness
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P261 - Avoid breathing mist/vapors/spray
 P264 - Wash hands thoroughly after handling
 P271 - Use only outdoors or in a well-ventilated area
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 P363 - Wash contaminated clothing before reuse
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: Get medical advice/attention

P312 – Call a Poison Center/doctor if you feel unwell.

P370+P378 - In case of fire: Use CO₂, dry powder, or water spray to extinguish

P403+P235 - Store in a well-ventilated place. Keep cool
 P405 - Store locked up
 P501 - Dispose of contents/container to a licensed waste disposal contractor or collection site.

Hazard(s) not otherwise Classified (HNOC): Not applicable.

Percentage of ingredient(s) of unknown acute toxicity:

20% of the mixture consists of ingredients of unknown acute toxicity (dermal).
 100% of the mixture consists of ingredients of unknown acute toxicity (inhalation).

SECTION 3: Composition/information on ingredients

Mixture:

Name	CAS Registry Number	Concentration (% weight)*
Thymol	89-83-8	1-5
Nutmeg oil	8008-45-5	1-5
Cedarleaf oil	8007-20-3	5-10
Dipropylene glycol	25265-71-8	10-30
Menthol liquid	15356-60-2	10-30
Eucalyptus oil	8000-48-4	10-30

* 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 several 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. If exposed or concerned get medical attention.

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 skin irritation. May cause respiratory tract irritation and drowsiness dizziness and hallucinations if ingested in very large quantities.

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

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Product is combustible. Use CO₂, dry chemical, or water spray to extinguish fire involving this material.

Unsuitable extinguishing media: Do not use water jet as it may spread fire.

Specific hazards arising from the chemical:

Product may float on top of water. Heat may build pressure and rupture closed containers. Use water spray to cool exposed containers. Thermal decomposition may generate: carbon dioxide, carbon monoxide, aldehydes, irritating vapours and other 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. Remove all ignition sources.

Methods and material for containment and cleaning up: Cover spill with a non-combustible inert absorbent (like diatomaceous earth) and place in an approved disposal container. 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 excessive vapors or any mists of the product. Mists are not anticipated in normal handling 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. An organic 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

Appearance:	Clear and colorless, to pale yellow liquid
Odor/odour:	Menthol odor
Odor/odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial Boiling Point and boiling range:	Not available
Flash point:	63°C (145°F)
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit – lower %:	Not available
Flammability limit – upper (%):	Not available
Explosive limit – lower (%):	Not available
Explosive limit – upper (%):	Not available
Vapor/Vapour pressure:	Not available
Vapor/Vapour density (air=1):	Not available
Relative density (water = 1):	Density: 0.92716 g/cm ³ (7.737 lbs/gal)
Solubility(ies):	Difficult to mix with water.
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	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:	Keep out of direct sunlight and away from sources of ignition. Avoid contact with incompatible materials. No other known conditions to avoid.
Incompatible materials:	Strong oxidizing agents and bases.
Hazardous decomposition products:	Product is not anticipated to decompose.

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 skin irritation. May cause respiratory tract irritation and drowsiness dizziness and hallucinations if ingested in very large quantities.

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

Skin Irritation and Corrosion: Classified as a skin irritant (Thymol, Nutmeg oil, Cedarleaf oil, Dipropylene glycol, Menthol liquid and Eucalyptus oil).

Serious Eye Damage/ Eye Irritation: Causes eye irritation (Thymol, Nutmeg oil, Dipropylene glycol, Menthol liquid and Eucalyptus oil).

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 (Nutmeg oil, Cedarleaf oil and Eucalyptus 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 upon available information on the known components of the product. No known components are listed as carcinogens by IARC, ACGIH or the NTP.

Reproductive Toxicity: Not anticipated to cause reproductive toxicity (Fertility or effects on unborn child) based on information available on the product and the known components of the product.

Specific Target-Organ Toxicity – Single Exposure: This product contains components which may be irritating to the respiratory tract (Cedarleaf oil, Dipropylene glycol, Menthol liquid) upon inhalation of mists or in high vapour concentrations. Additionally, Eucalyptus oil and Nutmeg oil may cause narcotic/Central Nervous System (CNS) effects (including: dizziness, nausea, and collapse). Nutmeg oil has caused effects similar to other hallucinogens (i.e., increased heart rate, dry mouth, dilated pupils, ataxia, tingling and numbness, red face, and difficulty excreting and after effects included severe muscle and bone aches as after effects.) following ingestion by humans of quantities of >5g (single pads would not contain this much Nutmeg oil).

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 based on available information on the known components of the product as delivered.

Numerical measures of toxicity:

Thymol (89-83-8)	
LD50 oral rat	980 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat	Not available

Nutmeg oil (8008-45-5)	
LD50 oral rat	2600 mg/kg
LD50 dermal rabbit	>10,000 mg/kg
LC50 inhalation rat	Not available

Cedarleaf oil (8007-20-3)	
LD50 oral rat	830 mg/kg
LD50 dermal rabbit	4100 mg/kg
LC50 inhalation rat	Not available

Dipropylene glycol (25265-71-8)	
LD50 oral rat	14850 mg/kg (male rat)
LD50 dermal rabbit	>20500 mg/kg
LC50 inhalation rat	Not available

Menthol liquid (15356-60-2)	
LD50 oral rat	940 mg/kg
LD50 dermal rabbit	>5000 mg/kg
LC50 inhalation rat	Not available

Eucalyptus oil (8000-48-4)	
LD50 oral rat	>2480 mg/kg
LD50 dermal rabbit	>2480 mg/kg
LC50 inhalation rat	Not available

Acute Toxicity Estimate (ATE) of the product:

Acute Toxicity (oral) – 1680 mg/kg
 Acute Toxicity (dermal) – 4063 mg/kg
 Acute Toxicity (inhalation) – cannot be determined

Further information: Not available

SECTION 12: Ecological information**Ecotoxicity: Acute Ecotoxicity Data**

Product data: Not available

Ingredient data:

Not determined

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:

Not determined

Mobility in Soil:

Not determined

Other adverse effects:

Not determined

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):**

Domestic Transport only - Class: Combustible Liquid
 Exempt if shipped in non-bulk packaging and if not shipped by air/vessel.

Air transport IATA (DGR): Not regulated

Marine transport IMDG (IMDG Code): Not regulated

SECTION 15: Regulatory Information

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 reviewed components are listed.

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

SARA 313 – Toxic Release Inventory (TRI): No reviewed components are listed.

California Proposition 65: No reviewed components are listed.

New Jersey Right To Know (NJ-RTK): No reviewed components are listed.

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

Revision Date: April 9, 2017

Acronyms used in this SDS:

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
DGR	Dangerous Goods Regulations (under IATA)
DOT	Department of Transport
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
IATA	International Air Transport Association
IDLH	Immediately Dangerous to Life or Health
IMDG	International Maritime Dangerous Goods
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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