Printing date 03/11/2024

Reviewed on 03/11/2024

#### **1** Identification

· Product identifier Trade name: Lavender Fragrance Parts numbers: 34-7600-50, 90-4120-50

• Manufacturer/Supplier: Vaportek, Inc W226N6339 Village Drive Sussex, Wisconsin 53089 USA Information department: Regulatory Department Emergency telephone number: 800.237.6367 262.246.5060 Chemtrec Primary Phone Numbers Toll Free: 1-800-424-9300 Local: +1-703-527-3887 Vaportek CHEMTREC

## 2 Hazard(s) identification

· Classification of the substance or mixture

Customer Number (CNN): P1020146



GHS08 Health hazard

Toxic to Reproduction 1B	H360 May damage fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure 2	H371 May cause damage to organs.
Specific Target Organ Toxicity - Repeated Exposure 1	H372 Causes damage to organs through prolonged or
	repeated exposure.



• • • • • • • • • • • • • • • • • • •	
Skin Irritation 2	H315 Causes skin irritation.
Eye Irritation 2A	H319 Causes serious eye irritation.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.
Flammable Liquids 4	H227 Combustible liquid.

· Label elements

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling: LAVENDER 40/42 N&A LILIAL VERTENEX LAVANDIN GROSSO COUMARIN

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(Contd. of page 1)
geraniol
AMYL CINNAMIC ALDEHYDE
HEXYL CINNAMIC ALDEHYDE
CITRONELLOL
CLOVE OIL
HYDROXYCITRONELLAL
LYRAL
LINALOOL
· Hazard statements
Combustible liquid.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause damage to organs.
Causes damage to organs through prolonged or repeated exposure.
Precautionary statements Obtain an acid instructions before use
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. – No smoking.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· Classification system:
· NFPA ratings (scale 0 - 4)
Health = 2
Fire = $2$
$\mathbf{Z}$ <b>V</b> Reactivity = 0
· HMIS-ratings (scale 0 - 4)
<b>REACTIVITY</b> Reactivity = $0$
· Other hazards
· Results of PBT and vPvB assessment
• <b><i>PBT:</i></b> Not applicable.
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· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

#### • Chemical characterization: Mixtures

• **Description:** Mixture of the substances listed below with nonhazardous additions.

-	components:	> 10 - 250/
100-51-6	BENZYL ALCOHOL	>10-≤25%
	♦ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	
140-11-4	BENZYL ACETATE	>10-≤25%
	LAVENDER 40/42 N&A	>2.5-<10%
	Specific Target Organ Toxicity - Single Exposure 2, H371; Specific Target Organ Toxicity - Repeated Exposure 1, H372; A Skin Irritation 2, H315; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227; Eye Irritation 2B, H320	
32210-23-4	VERTENEX	>2.5-≤10%
	Sensitization - Skin 1, H317	
8022-15-9	LAVANDIN GROSSO	>2.5-<10%
	Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	
98-55-5	TERPINEOL ALPHA	>2.5-<10%
	🚯 Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	
91-64-5	COUMARIN	>2.5-≤10%
	🛞 Acute Toxicity - Oral 3, H301; 🚸 Sensitization - Skin 1, H317	
13254-34-7	DIMETOL	>2.5-<10%
	🚯 Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	
78-70-6	LINALOOL	>2.5-≤10%
	🚯 Sensitization - Skin 1B, H317; Flammable Liquids 4, H227	
115-95-7	LINALYL ACETATE	≤2.5%
	🚯 Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	
2050-08-0	AMYL SALICYLATE	≤2.5%
	🛞 Acute Toxicity - Oral 3, H301	
106-24-1		≥1-≤2.5%
	Sensitization - Skin 1, H317	
60-12-8	PHENYL ETHYL ALCOHOL	≤2.5%
	Acute Toxicity - Dermal 3, H311;   Acute Toxicity - Oral 4, H302; Eye Irritation 2A, H319	
61789-17-1	GUAIACWOOD ACETATE	≤2.5%
	🚯 Skin Irritation 2, H315; Eye Irritation 2A, H319	
122-40-7	AMYL CINNAMIC ALDEHYDE	≥0.1-<1%
	😯 Sensitization - Skin 1, H317	
101-86-0	HEXYL CINNAMIC ALDEHYDE	≥0.1-<1%
	Sensitization - Skin 1, H317	
118-58-1	benzyl salicylate	≥0.1-<1%
	Sensitization - Skin 1B, H317	

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106-22-9	CITRONELLOL	≥0.1-<1%
	♦ Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	
8000-34-8	CLOVE OIL	≥0.1-<1%
	<i>Aspiration Hazard 1, H304; () Eye Irritation 2A, H319; Sensitization - Skin 1, H317</i>	
107-75-5	HYDROXYCITRONELLAL	≥0.1-<1%
	🚸 Eye Irritation 2A, H319; Sensitization - Skin 1, H317	
80-54-6	LILIAL	≥0.1-≤2.5%
	Toxic to Reproduction 1B, H360; Flammable Liquids 4, H227	
31906-04-4	LYRAL	≥0.1-<1%
	♦ Sensitization - Skin 1A, H317	

#### 4 First-aid measures

· Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

## **5** Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- **Protective equipment:** Mouth respiratory protective device.

## 6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.

• Environmental precautions: Do not allow to enter sewers/surface or ground water.

• *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

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· Reference to other sections	
See Section 7 for information on safe handling.	
See Section 8 for information on personal protection equipment.	
See Section 13 for disposal information.	
Protective Action Criteria for Chemicals	
• PAC-1:	
100-51-6 BENZYL ALCOHOL	30 ppm
140-11-4 BENZYL ACETATE	30 ppm
91-64-5 COUMARIN	$0.88 \ mg/m^3$
123-11-5 ANISIC ALDEHYDE	21 mg/m <sup>3</sup>
111-13-7 METHYL HEXYL KETONE	9.3 mg/m <sup>3</sup>
122-99-6 ROSE ETHER	1.5 ppm
PAC-2:	
100-51-6 BENZYL ALCOHOL	52 ppm
140-11-4 BENZYL ACETATE	330 ppm
91-64-5 COUMARIN	9.7 mg/m <sup>3</sup>
123-11-5 ANISIC ALDEHYDE	230 mg/m <sup>3</sup>
111-13-7 METHYL HEXYL KETONE	100 mg/m <sup>3</sup>
122-99-6 ROSE ETHER	16 ppm
• PAC-3:	
100-51-6 BENZYL ALCOHOL	740 ppm
140-11-4 BENZYL ACETATE	2,000 ppm
91-64-5 COUMARIN	58 mg/m <sup>3</sup>
123-11-5 ANISIC ALDEHYDE	300 mg/m <sup>3</sup>
111-13-7 METHYL HEXYL KETONE	610 mg/m <sup>3</sup>
122-99-6 ROSE ETHER	97 ppm

## 7 Handling and storage

• Handling:

- · Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities

· Storage:

• Requirements to be met by storerooms and receptacles:

Store in a tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

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#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

#### · Control parameters

#### Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 100-51-6 BENZYL ALCOHOL

WEEL Long-term value: 10 ppm

#### 140-11-4 BENZYL ACETATE

*TLV* Long-term value: 10 ppm A4

#### 60-12-8 PHENYL ETHYL ALCOHOL

TLV Long-term value: NIC-0.5 ppm NIC-Skin

• Additional information: The lists that were valid during the creation were used as basis.

#### · Exposure controls

- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation · *Material of gloves* 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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#### Safety Data Sheet acc. to OSHA HCS

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• Eye protection:



Tightly sealed goggles

#### 9 Physical and chemical properties · Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid Color: Pale yellow · Odor: Characteristic · Odor threshold: Not determined. Not determined. · pH-value: · Change in condition Melting point/Melting range: Undetermined. 205.4 °C (401.7 °F) Boiling point/Boiling range: 84 °C (183.2 °F) · Flash point: Not applicable. · Flammability (solid, gaseous): · Auto igniting: 435 °C (815 °F) Not determined. · Decomposition temperature: · Ignition temperature: Product is not selfigniting. Danger of explosion: Not determined. · Explosion limits: Lower: 1.3 Vol % 13 Vol % Upper: · Vapor pressure at 20 °C (68 °F): 0.1 hPa · Vapor pressure at 50 °C (122 °F): 0.7 hPa (0.5 mm Hg) 0.97915 g/cm<sup>3</sup> (8.17101 lbs/gal) • Density at 20 °C (68 °F): · Relative density Not determined. · Vapor density Not determined. Not determined. · Evaporation rate · Solubility in / Miscibility with Water: Not miscible or difficult to mix. · Partition coefficient (n-octanol/water): Not determined. · Viscosity: Dynamic: Not determined. Kinematic: Not determined. · Solvent content: 15.2 % **Organic solvents: VOC** content: 15.18 % 148.6 g/l / 1.24 lb/gal (Contd. on page 8)

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Solids content:

3.1 %

• Other information

No further relevant information available.

## 10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

· Conditions to avoid No further relevant information available.

• *Incompatible materials:* No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Dermal LD50 10,888 mg/kg (rabbit)

Inhalative LC50/4 h 73.4 mg/l

100-51-6 BENZYL ALCOHOL

Dermal LD50 2,000 mg/kg (rabbit)

140-11-4 BENZYL ACETATE

Dermal LD50 >5,000 mg/kg (rabbit)

#### 78-70-6 LINALOOL

Dermal LD50 5,610 mg/kg (rabbit)

#### 60-12-8 PHENYL ETHYL ALCOHOL

Dermal LD50 790 mg/kg (rabbit)

#### 106-22-9 CITRONELLOL

Dermal LD50 2,650 mg/kg (rabbit)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

· Sensitization: Sensitization possible through skin contact.

· Additional toxicological information:

*The product shows the following dangers according to internally approved calculation methods for preparations: Irritant* 

· Carcinogenic categories

· IARC (In	· IARC (International Agency for Research on Cancer)	
140-11-4	BENZYL ACETATE	3
91-64-5	COUMARIN	3
97-53-0	EUGENOL	3
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 $\cdot$  NTP (National Toxicology Program)

None of the ingredients is listed.

#### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## **12 Ecological information**

#### · Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

# **13 Disposal considerations**

• Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

# 14 Transport information

UN-Number		
DOT, ADN, IMDG, IATA	not regulated	
UN proper shipping name DOT, ADN, IMDG, IATA	not regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA		
Class	not regulated	
Packing group		
DOT, IMDG, IATA	not regulated	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
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Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· UN "Model Regulation":

# **15 Regulatory information**

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

not regulated

#### • Section 355 (extremely hazardous substances):

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

122-99-6 ROSE ETHER

• TSCA (Toxic Substances Control Act): All substances are active or exempt.

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

#### · Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

140-11-4 BENZYL ACETATE

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms* 



· Signal word Danger

• Hazard-determining components of labeling: LAVENDER 40/42 N&A LILIAL VERTENEX

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	(Contd. of page 10)
LAVANDIN GROSSO	
COUMARIN	
geraniol	
AMYL CINNAMIC ALDEHYDE	
HEXYL CINNAMIC ALDEHYDE	
CITRONELLOL	
CLOVE OIL	
HYDROXYCITRONELLAL	
LYRAL	
LINALOOL	
· Hazard statements	
Combustible liquid.	
Causes skin irritation.	
Causes serious eye irritation.	
May cause an allergic skin reaction.	
May damage fertility or the unborn child.	
May cause damage to organs.	
Causes damage to organs through prolonged or repeated exposure.	
· Precautionary statements	
Obtain special instructions before use.	
Do not handle until all safety precautions have been read and understood.	
Keep away from flames and hot surfaces. – No smoking.	
Do not breathe dust/fume/gas/mist/vapors/spray.	
Wash thoroughly after handling.	
Do not eat, drink or smoke when using this product.	
Contaminated work clothing must not be allowed out of the workplace.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If on skin: Wash with plenty of water.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if pre	esent and easy to do.
Continue rinsing.	
IF exposed or concerned: Get medical advice/attention.	
Get medical advice/attention if you feel unwell.	
Take off contaminated clothing and wash it before reuse.	
If skin irritation or rash occurs: Get medical advice/attention.	
Specific treatment (see on this label).	
If eye irritation persists: Get medical advice/attention.	
Wash contaminated clothing before reuse.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep cool.	
Store locked up.	<i>.</i> .
Dispose of contents/container in accordance with local/regional/national/international regula	itions.
• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

# **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Regulatory Department

• Date of preparation / last revision 03/11/2024

• Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association

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EINECS: European Inventory of Existing Commercial Chemical Substances	
ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value	
PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
Flammable Liquids 4: Flammable liquids – Category 4	
Acute Toxicity - Oral 3: Acute toxicity – Category 3	
Acute Toxicity - Oral 4: Acute toxicity – Category 4	
Skin Irritation 2: Skin corrosion/irritation – Čategory 2	
<i>Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A</i>	
<i>Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B</i>	
Sensitization - Skin 1: Skin sensitisation – Category 1	
Sensitization - Skin 1A: Skin sensitisation – Category 1A	
Sensitization - Skin 1B: Skin sensitisation – Category 1B	
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B	
Specific Target Organ Toxicity - Single Exposure 2: Specific target organ toxicity (single exposure) – Category 2	
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1	
Aspiration Hazard 1: Aspiration hazard – Category 1	
* * Data compared to the previous version altered.	
	US