

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/11/2024

Reviewed on 03/11/2024

## 1 Identification

### · Product identifier

**Trade name:** *Meadow Fragrance*

**Part numbers:** 34-7600-75, 90-4120-75

### · 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

Customer Number (CNN): P1020146

## 2 Hazard(s) identification

### · Classification of the substance or mixture



GHS08 Health hazard

Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.



GHS05 Corrosion

Eye Damage 1 H318 Causes serious eye damage.



GHS07

Skin Irritation 2 H315 Causes skin irritation.  
Sensitization - Skin 1 H317 May cause an allergic skin reaction.

### · Label elements

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

### · Hazard pictograms



GHS05



GHS07



GHS08

### · Signal word Danger

### · Hazard-determining components of labeling:

PHENYL ETHYL ACETATE

geraniol

ROSE OXIDE

HEXYL CINNAMIC ALDEHYDE

CITRONELLOL

GERANYL ACETATE

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METHYL IONONE GAMMA

Lime oil

ANETHOLE

BASIL OIL

ISOCYCLOCITRAL

TRIPLAL

· **Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

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.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = \*3

Fire = 1

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## \* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

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· Dangerous components:		
140-11-4	BENZYL ACETATE	>10-≤25%
106-24-1	geraniol ⚠ Sensitization - Skin 1, H317	>2.5-≤10%
101-86-0	HEXYL CINNAMIC ALDEHYDE ⚠ Sensitization - Skin 1, H317	>2.5-≤10%
106-22-9	CITRONELLOL ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	>2.5-<10%
78-69-3	TETRAHYDROLINALOOL ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	>2.5-<10%
60-12-8	PHENYL ETHYL ALCOHOL ⚠ Acute Toxicity - Dermal 3, H311; ⚠ Acute Toxicity - Oral 4, H302; Eye Irritation 2A, H319	>2.5-<10%
88-41-5	VERDOX Flammable Liquids 4, H227	>2.5-≤10%
103-45-7	PHENYL ETHYL ACETATE ⚠ Eye Damage 1, H318	≥3-≤10%
105-87-3	GERANYL ACETATE ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	>2.5-<10%
127-51-5	METHYL IONONE GAMMA ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Eye Irritation 2B, H320	>2.5-<10%
98-55-5	TERPINEOL ALPHA ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	>2.5-<10%
8008-26-2	Lime oil ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317	>2.5-<10%
18479-58-8	2,6-Dimethyl-7-octen-2-ol ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	>2.5-<10%
100-51-6	BENZYL ALCOHOL ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	≤2.5%
4180-23-8	ANETHOLE ⚠ Sensitization - Skin 1, H317	≥1-≤2.5%
8015-73-4	BASIL OIL ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥1-≤2.5%
1191-16-8	PRENYL ACETATE ⚠ Flammable Liquids 3, H226	≤2.5%
6413-10-1	FRUCTONE Flammable Liquids 4, H227	≤2.5%
58430-94-7	VANORIS ⚠ Skin Irritation 2, H315; Flammable Liquids 4, H227	≤2.5%
123-68-2	ALLYL CAPROATE ⚠ Flammable Liquids 2, H225; ⚠ Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 3, H331	≤2.5%
128-37-0	BHT ⚠ Acute Toxicity - Oral 4, H302	≤2.5%

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1423-46-7	ISOCYCLOCITRAL ⚠ Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥1-≤2.5%
68039-49-6	TRIPLAL ⚠ Skin Irritation 2, H315; Sensitization - Skin 1, H317; Flammable Liquids 4, H227	≥1-≤2.5%
16409-43-1	ROSE OXIDE ⚠ Toxic to Reproduction 2, H361; ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	≥0.1-≤2.5%

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **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. Then 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:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **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).  
Use neutralizing agent.  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **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:**

140-11-4 BENZYL ACETATE

30 ppm

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100-51-6	BENZYL ALCOHOL	30 ppm
123-92-2	AMYL ACETATE	100 ppm
<b>· PAC-2:</b>		
140-11-4	BENZYL ACETATE	330 ppm
100-51-6	BENZYL ALCOHOL	52 ppm
123-92-2	AMYL ACETATE	500 ppm
<b>· PAC-3:</b>		
140-11-4	BENZYL ACETATE	2,000 ppm
100-51-6	BENZYL ALCOHOL	740 ppm
123-92-2	AMYL ACETATE	3000* 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.

## \* 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.

<b>140-11-4 BENZYL ACETATE</b>	
TLV	Long-term value: 10 ppm A4
<b>60-12-8 PHENYL ETHYL ALCOHOL</b>	
TLV	Long-term value: NIC-0.5 ppm NIC-Skin
<b>100-51-6 BENZYL ALCOHOL</b>	
WEEL	Long-term value: 10 ppm

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**128-37-0 BHT**

REL	Long-term value: 10 mg/m <sup>3</sup>
TLV	Long-term value: 2* mg/m <sup>3</sup> *as inhalable fraction and vapor, A4

· **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 skin.

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.

· **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.

· **pH-value:** Not determined.

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· <b>Change in condition</b>	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	110 °C (230 °F)
· <b>Flash point:</b>	>93 °C (>199.4 °F)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Auto igniting:</b>	410 °C (770 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapor pressure at 25 °C (77 °F):</b>	1.9 hPa (1.4 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	0.94385 g/cm <sup>3</sup> (7.87643 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	2.7 %
VOC content:	2.67 %
	25.2 g/l / 0.21 lb/gal
· <b>Solids content:</b>	2.9 %
· <b>Other information</b>	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.

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## 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### ATE (Acute Toxicity Estimate)

Dermal	LD50	8,551 mg/kg
Inhalative	LC50/4 h	183 mg/l

### 140-11-4 BENZYL ACETATE

Dermal	LD50	>5,000 mg/kg (rabbit)
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### 106-22-9 CITRONELLOL

Dermal	LD50	2,650 mg/kg (rabbit)
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### 60-12-8 PHENYL ETHYL ALCOHOL

Dermal	LD50	790 mg/kg (rabbit)
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### 103-45-7 PHENYL ETHYL ACETATE

Dermal	LD50	6,210 mg/kg (rabbit)
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### 100-51-6 BENZYL ALCOHOL

Dermal	LD50	2,000 mg/kg (rabbit)
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- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **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 (International Agency for Research on Cancer)**

140-11-4	BENZYL ACETATE	3
128-37-0	BHT	3

- **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 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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*Must not reach bodies of water or drainage ditch undiluted or unneutralized.*

*Danger to drinking water if even 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.*

**· Transport in bulk according to Annex II of**

**MARPOL 73/78 and the IBC Code** *Not applicable.*

**· UN "Model Regulation":**

*not regulated*

## 15 Regulatory information

**· Safety, health and environmental regulations/legislation specific for the substance or mixture**

**· Sara**

**· Section 355 (extremely hazardous substances):**

*None of the ingredients is listed.*

**· Section 313 (Specific toxic chemical listings):**

*None of the ingredients is listed.*

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

**· Hazardous Air Pollutants**

*None of the ingredients is listed.*

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· **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

A4

128-37-0 BHT

A4

· **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**



GHS05   GHS07   GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

PHENYL ETHYL ACETATE

geraniol

ROSE OXIDE

HEXYL CINNAMIC ALDEHYDE

CITRONELLOL

GERANYL ACETATE

METHYL IONONE GAMMA

Lime oil

ANETHOLE

BASIL OIL

ISOCYCLOCITRAL

TRIPLAL

· **Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

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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.  
 Immediately call a poison center/doctor.  
 IF exposed or concerned: Get medical advice/attention.  
 Specific treatment (see on this label).  
 Take off contaminated clothing and wash it before reuse.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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
  - 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 2: Flammable liquids – Category 2
  - Flammable Liquids 3: Flammable liquids – Category 3
  - Flammable Liquids 4: Flammable liquids – Category 4
  - Acute Toxicity - Oral 4: Acute toxicity – Category 4
  - Acute Toxicity - Dermal 3: Acute toxicity – Category 3
  - Skin Irritation 2: Skin corrosion/irritation – Category 2
  - Eye Damage 1: Serious eye damage/eye irritation – Category 1
  - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
  - Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B
  - Sensitization - Skin 1: Skin sensitisation – Category 1
  - Toxic to Reproduction 2: Reproductive toxicity – Category 2
  - Aspiration Hazard 1: Aspiration hazard – Category 1
- **\* Data compared to the previous version altered.**