

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/11/2024

Reviewed on 03/11/2024

## 1 Identification

- **Product identifier**
- **Trade name:** Vanilla Fragrance
- **Part numbers:** 34-7600-45, 90-4120-45
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Vaportek, Inc.  
 W226N6339 Village Drive  
 Sussex, Wisconsin 53089  
 USA  
 800.237.6367
- **Information department:** Regulatory Department
- **Emergency telephone number:**  
 Hours of operation: 7:00AM – 4:00 PM Mon-Fri. (CST)  
 Domestic North America (262) 246-5060

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

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**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
 COUMARIN  
 EXALTOLIDE
- **Hazard statements**  
 Combustible liquid.  
 Causes serious eye irritation.  
 May cause an allergic skin reaction.
- **Precautionary statements**  
 Keep away from flames and hot surfaces. – No smoking.  
 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.

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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 CO<sub>2</sub>, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

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

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 2 | Health = *2    |
| FIRE       | 2 | Fire = 2       |
| REACTIVITY | 0 | 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.

· **Dangerous components:**

|            |                                                                                                                         |           |
|------------|-------------------------------------------------------------------------------------------------------------------------|-----------|
| 34590-94-8 | DIPROPYLENE GLYCOL METHYL ETHER<br>Flammable Liquids 4, H227                                                            | >50-≤100% |
| 121-33-5   | VANILLIN<br>⚠ Acute Toxicity - Oral 4, H302; Eye Irritation 2A, H319                                                    | >2.5-<10% |
| 100-51-6   | BENZYL ALCOHOL<br>⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332 | >2.5-≤10% |
| 121-32-4   | ETHYL VANILLIN<br>⚠ Acute Toxicity - Oral 4, H302                                                                       | ≤2.5%     |
| 123-11-5   | ANISIC ALDEHYDE<br>⚠ Acute Toxicity - Oral 4, H302                                                                      | ≤2.5%     |
| 4430-31-3  | BICYCLONONALACTONE<br>⚠ Eye Damage 1, H318                                                                              | ≥1-≤2.5%  |
| 91-64-5    | COUMARIN<br>⚠ Acute Toxicity - Oral 3, H301; ⚠ Sensitization - Skin 1, H317                                             | ≥1-≤2.5%  |
| 106-02-5   | EXALTOLIDE<br>⚠ Sensitization - Skin 1, H317                                                                            | ≥0.1-<1%  |

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## 4 First-aid measures

- **Description of first aid measures**
- **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:**  
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** Not required.
- **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.
- **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:

|            |                                 |                        |
|------------|---------------------------------|------------------------|
| 34590-94-8 | DIPROPYLENE GLYCOL METHYL ETHER | 150 ppm                |
| 100-51-6   | BENZYL ALCOHOL                  | 30 ppm                 |
| 123-11-5   | ANISIC ALDEHYDE                 | 21 mg/m <sup>3</sup>   |
| 91-64-5    | COUMARIN                        | 0.88 mg/m <sup>3</sup> |

### · PAC-2:

|            |                                 |                       |
|------------|---------------------------------|-----------------------|
| 34590-94-8 | DIPROPYLENE GLYCOL METHYL ETHER | 1700* ppm             |
| 100-51-6   | BENZYL ALCOHOL                  | 52 ppm                |
| 123-11-5   | ANISIC ALDEHYDE                 | 230 mg/m <sup>3</sup> |
| 91-64-5    | COUMARIN                        | 9.7 mg/m <sup>3</sup> |

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| · PAC-3:   |                                 |                       |
|------------|---------------------------------|-----------------------|
| 34590-94-8 | DIPROPYLENE GLYCOL METHYL ETHER | 9900** ppm            |
| 100-51-6   | BENZYL ALCOHOL                  | 740 ppm               |
| 123-11-5   | ANISIC ALDEHYDE                 | 300 mg/m <sup>3</sup> |
| 91-64-5    | COUMARIN                        | 58 mg/m <sup>3</sup>  |

## 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:** No special measures required.

- **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.

| 34590-94-8 DIPROPYLENE GLYCOL METHYL ETHER |                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| PEL                                        | Long-term value: 600 mg/m <sup>3</sup> , 100 ppm<br>Skin                                                      |
| REL                                        | Short-term value: 900 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 600 mg/m <sup>3</sup> , 100 ppm<br>Skin |
| TLV                                        | Long-term value: 50 ppm                                                                                       |
| 121-33-5 VANILLIN                          |                                                                                                               |
| WEEL                                       | Long-term value: 10 mg/m <sup>3</sup>                                                                         |
| 100-51-6 BENZYL ALCOHOL                    |                                                                                                               |
| WEEL                                       | Long-term value: 10 ppm                                                                                       |

- **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.

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

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:**

|                        |                     |
|------------------------|---------------------|
| <b>Form:</b>           | Liquid              |
| <b>Color:</b>          | Colorless to yellow |
| <b>Odor:</b>           | Characteristic      |
| <b>Odor threshold:</b> | Not determined.     |

· **pH-value:** Not determined.

· **Change in condition**

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Melting point/Melting range:</b> | Undetermined.   |
| <b>Boiling point/Boiling range:</b> | 170 °C (338 °F) |

· **Flash point:** 81 °C (177.8 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto igniting:** 270 °C (518 °F)

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

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|                                                                                    |                         |
|------------------------------------------------------------------------------------|-------------------------|
| · <b>Explosion limits:</b>                                                         |                         |
| <b>Lower:</b>                                                                      | 1.1 Vol %               |
| <b>Upper:</b>                                                                      | 14 Vol %                |
| · <b>Vapor pressure at 20 °C (68 °F):</b> 0.4 hPa (0.3 mm Hg)                      |                         |
| · <b>Density at 20 °C (68 °F):</b> 0.99415 g/cm <sup>3</sup> (8.29618 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>                                                                |                         |
| <b>Dynamic:</b>                                                                    | Not determined.         |
| <b>Kinematic:</b>                                                                  | Not determined.         |
| · <b>Solvent content:</b>                                                          |                         |
| <b>Organic solvents:</b>                                                           | 80.4 %                  |
| <b>VOC content:</b>                                                                | 80.35 %                 |
|                                                                                    | 798.8 g/l / 6.67 lb/gal |
| · <b>Solids content:</b> 10.1 %                                                    |                         |
| · <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.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

**ATE (Acute Toxicity Estimate)**

|            |          |                       |
|------------|----------|-----------------------|
| Dermal     | LD50     | 42,105 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 232 mg/l              |

**34590-94-8 DIPROPYLENE GLYCOL METHYL ETHER**

|        |      |                     |
|--------|------|---------------------|
| Dermal | LD50 | >19,000 mg/kg (rab) |
|--------|------|---------------------|

**100-51-6 BENZYL ALCOHOL**

|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 2,000 mg/kg (rabbit) |
|--------|------|----------------------|

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**123-11-5 ANISIC ALDEHYDE**

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

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **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 (International Agency for Research on Cancer)**

|         |          |   |
|---------|----------|---|
| 91-64-5 | COUMARIN | 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.  
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.

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## 14 Transport information

|                                                                                   |                        |
|-----------------------------------------------------------------------------------|------------------------|
| <i>· UN-Number</i>                                                                |                        |
| <i>· DOT, ADN, IMDG, IATA</i>                                                     | <i>not regulated</i>   |
| <i>· UN proper shipping name</i>                                                  |                        |
| <i>· DOT, ADN, IMDG, IATA</i>                                                     | <i>not regulated</i>   |
| <i>· Transport hazard class(es)</i>                                               |                        |
| <i>· DOT, ADN, IMDG, IATA</i>                                                     |                        |
| <i>· Class</i>                                                                    | <i>not regulated</i>   |
| <i>· Packing group</i>                                                            |                        |
| <i>· DOT, IMDG, IATA</i>                                                          | <i>not regulated</i>   |
| <i>· Environmental hazards:</i>                                                   | <i>Not applicable.</i> |
| <i>· Special precautions for user</i>                                             | <i>Not applicable.</i> |
| <i>· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</i> | <i>Not applicable.</i> |
| <i>· UN "Model Regulation":</i>                                                   | <i>not regulated</i>   |

## 15 Regulatory information

|                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------|--|
| <i>· Safety, health and environmental regulations/legislation specific for the substance or mixture</i> |  |
| <i>· Sara</i>                                                                                           |  |
| <i>· Section 355 (extremely hazardous substances):</i>                                                  |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Section 313 (Specific toxic chemical listings):</i>                                                |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· TSCA (Toxic Substances Control Act): All substances are active or exempt.</i>                      |  |
| <i>· Hazardous Air Pollutants</i>                                                                       |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Proposition 65</i>                                                                                 |  |
| <i>· Chemicals known to cause cancer:</i>                                                               |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Chemicals known to cause reproductive toxicity for females:</i>                                    |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Chemicals known to cause reproductive toxicity for males:</i>                                      |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Chemicals known to cause developmental toxicity:</i>                                               |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· Carcinogenic categories</i>                                                                        |  |
| <i>· EPA (Environmental Protection Agency)</i>                                                          |  |
| <i>None of the ingredients is listed.</i>                                                               |  |
| <i>· TLV (Threshold Limit Value)</i>                                                                    |  |
| <i>None of the ingredients is listed.</i>                                                               |  |

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· **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**



GHS07

· **Signal word** *Warning*

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

COUMARIN

EXALTOLIDE

· **Hazard statements**

Combustible liquid.

Causes serious eye irritation.

May cause an allergic skin reaction.

· **Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

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.

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 CO<sub>2</sub>, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

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

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*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**Eye Damage 1: Serious eye damage/eye irritation – Category 1**Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A**Sensitization - Skin 1: Skin sensitisation – Category 1***· \* Data compared to the previous version altered.**

US