

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

1 Identification

- **Product identifier**
- **Trade name:** Japanese Blossom Fragrance
- **Part number:** 90-4120-08, 90-0931-08, 34-7600-08, 34-7700-08
- **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: 7:00 AM – 4:00 PM Mon-Fri. (CST)
 Domestic North America (262) 246-5060

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Repr. 1A H360 May damage fertility or the unborn child.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Flam. Liq. 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 GHS08

- **Signal word** Danger

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

LILIAL

ISO E SUPER

COUMARIN

MAYOL

METHYL IONONE GAMMA

LINALOOL

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 1)

EXALTOLIDE
 HELIOTROPINE
 CITRONELLOL
 ISOEUGENOL
 EUGENOL

· **Hazard statements**

Combustible liquid.
 Harmful if swallowed.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 May damage fertility or the unborn child.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Read label 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.
 Avoid breathing 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 swallowed: Call a poison center/doctor if you feel unwell.
 Rinse mouth.
 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.
 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.
 If eye irritation persists: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 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
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	2
FIRE	2
REACTIVITY	0

Health = *2
 Fire = 2
 Reactivity = 0

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 2)

- **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 Flam. Liq. 4, H227	>25–≤50%
54464-57-2	ISO E SUPER ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	10%
13828-37-0	MAYOL ⚠ Skin Sens. 1, H317	>2.5–≤10%
80-54-6	LILIAL ⚠ Acute Tox. 3, H301; ⚠ Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	>2.5–<10%
63500-71-0	FLOROL ⚠ Eye Irrit. 2A, H319	>2.5–<10%
10339-55-6	ETHYL LINALOOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	>2.5–<10%
127-51-5	METHYL IONONE GAMMA ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2B, H320	>2.5–<10%
78-70-6	LINALOOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317; Flam. Liq. 4, H227	>2.5–<10%
106-02-5	EXALTOLIDE ⚠ Skin Sens. 1, H317	≥1–≤2.5%
68990-83-0	CEDARWOOD OIL TEXAS ⚠ Asp. Tox. 1, H304	≤2.5%
65113-99-7	SANDALORE ⚠ Eye Irrit. 2A, H319	≤2.5%
91-64-5	COUMARIN ⚠ Acute Tox. 3, H301; ⚠ Skin Sens. 1, H317	≥1–≤2.5%
98-55-5	TERPINEOL ALPHA ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	≤2.5%
120-57-0	HELIOTROPINE ⚠ Skin Sens. 1, H317	≥0.1–<1%
106-22-9	CITRONELLOL ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	≥0.1–<1%
97-54-1	ISOEUGENOL ⚠ Acute Tox. 3, H311; ⚠ Acute Tox. 4, H302; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	≥0.1–<1%

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 3)

97-53-0

EUGENOL

≥0.1 - <1%

⚠ Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Sens. 1, 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:** Immediately call a 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** 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).

Dispose contaminated material as waste according to item 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-I:**

34590-94-8	DIPROPYLENE GLYCOL METHYL ETHER	150 ppm
91-64-5	COUMARIN	0.88 mg/m ³
123-11-5	ANISIC ALDEHYDE	21 mg/m ³

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 4)

93-58-3	METHYL BENZOATE	1.1 ppm
· PAC-2:		
34590-94-8	DIPROPYLENE GLYCOL METHYL ETHER	1700* ppm
91-64-5	COUMARIN	9.7 mg/m ³
123-11-5	ANISIC ALDEHYDE	230 mg/m ³
93-58-3	METHYL BENZOATE	12 ppm
· PAC-3:		
34590-94-8	DIPROPYLENE GLYCOL METHYL ETHER	9900** ppm
91-64-5	COUMARIN	58 mg/m ³
123-11-5	ANISIC ALDEHYDE	300 mg/m ³
93-58-3	METHYL BENZOATE	42 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 ignition sources away - Do not smoke.

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 item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

34590-94-8 DIPROPYLENE GLYCOL METHYL ETHER

PEL Long-term value: 600 mg/m³, 100 ppm
Skin

REL Short-term value: 900 mg/m³, 150 ppm
Long-term value: 600 mg/m³, 100 ppm
Skin

TLV Short-term value: 909 mg/m³, 150 ppm
Long-term value: 606 mg/m³, 100 ppm
Skin

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 5)

· **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.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Colorless

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 190 °C (374 °F)

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 6)

· Flash point:	85.6 °C (186.1 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	270 °C (518 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	14 Vol %
· Vapor pressure at 20 °C (68 °F):	0.4 hPa (0.3 mm Hg)
· Density at 20 °C (68 °F):	0.95765 g/cm ³ (7.99159 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· 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:	
Organic solvents:	35.3 %
VOC content:	35.28 %
	337.8 g/l / 2.82 lb/gal
Solids content:	4.2 %
· 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.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 7)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	1,437 mg/kg
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34590-94-8 DIPROPYLENE GLYCOL METHYL ETHER

Oral	LD50	5,135 mg/kg (rat)
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Dermal	LD50	>19,000 mg/kg (rab)
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78-70-6 LINALOOL

Oral	LD50	2,790 mg/kg (rat)
------	------	-------------------

Dermal	LD50	5,610 mg/kg (rabbit)
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91-64-5 COUMARIN

Oral	LD50	293 mg/kg (rat)
------	------	-----------------

98-55-5 TERPINEOL ALPHA

Oral	LD50	4,300 mg/kg (rat)
------	------	-------------------

120-57-0 HELIOTROPINE

Oral	LD50	2,700 mg/kg (rat)
------	------	-------------------

106-22-9 CITRONELLOL

Oral	LD50	3,450 mg/kg (rat)
------	------	-------------------

Dermal	LD50	2,650 mg/kg (rabbit)
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97-54-1 ISOEUGENOL

Oral	LD50	1,560 mg/kg (rat)
------	------	-------------------

97-53-0 EUGENOL

Oral	LD50	1,930 mg/kg (rat)
------	------	-------------------

- 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:

Harmful

Irritant

- Carcinogenic categories

· IARC (International Agency for Research on Cancer)

91-64-5	COUMARIN	3
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97-53-0	EUGENOL	3
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- NTP (National Toxicology Program)

None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 8)

· **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. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 9)

· 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 ingredients are listed.

· TSCA new (21st Century Act) (Substances not listed)

97-54-1 | ISOEUGENOL

· 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 established by ACGIH)

None of the ingredients is listed.

· 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 GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

LILIAL

ISO E SUPER

COUMARIN

MAYOL

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 10)

METHYL IONONE GAMMA

LINALOOL

EXALTOLIDE

HELIOTROPINE

CITRONELLOL

ISOEUGENOL

EUGENOL

· **Hazard statements**

Combustible liquid.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label 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.

Avoid breathing 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 swallowed: Call a poison center/doctor if you feel unwell.

Rinse mouth.

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.

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.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use for extinction: CO₂, powder or water spray.

Store in a well-ventilated place. Keep cool.

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** 02/26/2019 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Printing date 02/26/2019

Reviewed on 02/26/2019

Trade name: Japanese Blossom Fragrance

(Contd. of page 11)

IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 1A: Reproductive toxicity – Category 1A
Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

US