

## 1. IDENTIFICATION

**Product Name:** Iced Coffee Fragrance  
**Other Names:**  
**Product Use Description:** Fragrance for Consumer Product.

**Contact Information:**

Organisation	Location	Telephone	Ask For
Adelaide Moulding and Candle Supplies	7 Woodlands Terrace Edwardstown, South Australia, 5039	08 8294 0451	SDS Officer
Poisons Information Centre		13 11 26	

## 2. HAZARD IDENTIFICATION

**Class and Category of Danger:** Flammable Liquid, Hazard Category 4  
Acute Toxicity - Oral Category 5  
Skin Corrosion / Irritation Category 3  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 2  
Hazardous to the Aquatic Environment - Chronic Hazard Category 3  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H227 Combustible liquid.  
H303 May be harmful if swallowed.  
H316 Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Hazard Pictogram(s):**



**Signal Word:** WARNING

**Hazard Statements:** H227 Combustible liquid.  
H303 May be harmful if swallowed.  
H316 Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements(s):** P103 Read carefully and follow all the instructions.  
P210 Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.  
P261 Avoid breathing vapour or dust.  
P264 Wash hands and other contacted skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/eye protection/face protection.

P302/352 IF ON SKIN: Wash with plenty of soap and water.  
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTRE or doctor/physician if you feel unwell.  
 P333/313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337/313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.  
 P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  
 P391 Collect spillage.  
 P403/235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

#### Other Hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
 Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.  
 Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures:

Description	CAS No.	EC No.	%	GHS Classification
Diethyl phthalate	84-66-2	201-550-6	50-100%	Skin Irrit. 3-Aquatic Acute 3;H316-H402
Benzyl benzoate	120-51-4	204-402-9	20-<50%	Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411
Ethyl vanillin	121-32-4	204-464-7	5-<10%	Acute Tox. 5-Eye Irrit. 2B-Aquatic Acute 3;H303-H320-H402
Vanillin	121-33-5	204-465-2	1-<5%	Acute Tox. 5-Eye Irrit. 2A-Aquatic Acute 3;H303-H319-H402
gamma-Hexalactone	695-06-7	211-778-8	1-<5%	Skin Irrit. 3;H316
Dibenzyl ether	103-50-4	203-118-2	1-<5%	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1BAquatic Acute 1-Aquatic Chronic 1;H303-H316-H317-H410
Butylated hydroxytoluene	128-37-0	204-881-4	1-<5%	Aquatic Acute 1-Aquatic Chronic 1;H410
Maltol	118-71-8	204-271-8	1-<5%	Acute Tox. 4;H302
Coumarin	91-64-5	202-086-7	0.1-<1%	Acute Tox. 4-Skin Sens. 1B-Aquatic Acute 3;H302-H317-H402
3-Methylbutyraldehyde	590-86-3	209-691-5	0.1-<1%	Flam. Liq. 2-Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A-Skin Sens. 1B-STOT SE 3-Aquatic Acute 2-Aquatic Chronic 2;H225-H313-H316-H317-H319-H335-H411
Piperonal	120-57-0	204-409-7	0.1-<1%	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401
Diacetyl Natural	431-03-8	207-069-8	0.1-<1%	Flam. Liq. 2-Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-STOT RE 2-Aquatic Acute 3;H225-H302-H315-H317-H318-H331-H373-H402

2-Methoxy-4-methylphenol	93-51-6	202-252-9	0.1-<1%	Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2ASkin Sens. 1B-Aquatic Acute 3;H302-H315-H317-H319-H402
2-Ethylhexyl salicylate	118-60-5	204-263-4	>=10- <20	Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1
Vanillin	121-33-5	204-465-2	>=1- <10	Eye Irrit. 2; H319
2-Ethyl-3-hydroxy-4-pyrone	4940-11-8	225-582-5	>=1- <10	Acute Tox. 4; H302
3-Ethoxy-4-hydroxybenzaldehyde	121-32-4	204-464-7	>=1- <10	Eye Irrit. 2; H319
Hexyl salicylate	6259-76-3	228-408-6	>=0,25- <1	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1
Piperonal	120-57-0	204-409-7	>=0,1- <1	Skin Sens. 1B; H317
trans-Menthone	89-80-5	201-941-1	>=0,25- <1	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 3; H412
2-Hydroxy-3-methylcyclopent-2-enone	80-71-7	765-70-8	>= 0,1 - < 1	Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Sens. 1; H317
Isovaleraldehyde	590-86-3	209-691-5	>= 0,1 - < 0,25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 2; H411
citral	5392-40-5	226-394-6	>= 0,1 - < 1	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317
(R)-p-mentha-1,8-diene; d-limonene	5989-27-5	227-813-5	>= 0,1 - < 0,25	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Cineole	470-82-6	207-431-5	>= 0,1 - < 1	Flam. Liq. 3; H226 Eye Irrit. 2; H319 Skin Sens. 1B; H317

#### Substances with Community workplace exposure limits, not listed above

Description	CAS No.	EC No.	%
Butylated hydroxytoluene	128-37-0	204-881-4	2.00%
Diethyl phthalate	84-66-2	201-550-6	50.11%
(2-Methoxymethylethoxy) propanol	34590-94-8	252-104-2	>= 0,1 - < 1

## 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth with water. Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Skin Contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

<b>Eye Contact:</b>	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>Inhalation:</b>	Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
<b>Most important symptoms and effects, both acute and delayed:</b>	May be harmful if swallowed. Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
<b>Indication of any immediate medical attention and special treatment needed:</b>	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. There is no specific antidote available.

## 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
<b>Unsuitable extinguishing media:</b>	High volume water jet.
<b>Hazardous Combustion Products:</b>	In case of fire, the following can be released: Carbon monoxide, Unidentified organic compounds.
<b>Advice for Fire Fighters:</b>	In the event of fire, wear self-contained breathing apparatus and do not breath fumes. Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
<b>Hazchem Code:</b>	N/A

## 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Equipment:</b>	Chemical safety goggles must be worn. Handle the product using protective gloves.
<b>Personal Precautions:</b>	Avoid inhalation. Avoid contact with skin and eyes.
<b>Emergency Procedures:</b>	Evacuate personnel to safe areas.
<b>Environmental Precautions:</b>	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods and Suitable materials for containment and cleaning up:</b>	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink, or smoke when using this product.
<b>Requirements for Storage Areas:</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
<b>Specific end use(s):</b>	Use in accordance with good manufacturing and industrial hygiene practices.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	CAS No.	EC No.	Description	ppm	mg/m <sup>3</sup>	Reference
Butylated hydroxytoluene	128-37-0	204-881-4	Long-term exposure limit (8-hour TWA reference period)	-	-	-
			Short-term exposure limit (15-minute reference period)	-	-	-
Diethyl phthalate	84-66-2	201-550-6	Long-term exposure limit (8-hour TWA reference period)	-	-	-
			Short-term exposure limit (15-minute reference period)	-	-	-

**Workplace exposure limits:**

Ingredient	CAS	Value Type (Form of exposure)	Control Parameters	Basis
Oxydipropanol	25265-71-8	MAK (vapor and aerosol, inhalable fraction.)	100mg/m <sup>3</sup>	DFG
		AGW (inhalable fraction)	100mg/m <sup>3</sup>	DE TRGS 900
Further information: Sum of vapors and aerosols.				
Isovaleraldehyde	590-86-3	AGW	10pp, 39mg/m <sup>3</sup>	DE TRGS 900
(2-Methoxymethylethoxy)propanol	34590-94-8	MAK (vapour)	50 ppm 310 mg/m <sup>3</sup>	DFG
		TWA	50 ppm 308 mg/m <sup>3</sup>	91/322/EEC
		TWA	50 ppm 308 mg/m <sup>3</sup>	EU SCOEL
		AGW (Vapor and aerosol)	50 ppm 310 mg/m <sup>3</sup>	DE TRGS 900
Further Information: Sum of vapours and aerosols.				
(R)-p-mentha-1,8-diene; d-limonene	5989-27-5	MAK	5 ppm 28 mg/m <sup>3</sup>	DFG
		AGW	5 ppm 28 mg/m <sup>3</sup>	DE TRGS 900

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance Name	End Use	Exposure routes	Potential health effects	Value
Ethyl butyrate	Workers	Inhalation	Long-term systemic effects	220,2 mg/m <sup>3</sup>
	Workers	Skin Contact	Long-term systemic effects	31,2 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	33 mg/m <sup>3</sup>
	Consumers	Skin Contact	Long-term systemic effects	11,2 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	12,4 mg/kg bw/day

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance Name	Environmental Compartment	Value
Ethyl butyrate	Fresh Water	0,131 mg/l
	Fresh water sediment	0,762 mg/kg dry weight (d.w.)
	Marine water	0,0131 mg/l
	Marine sediment	0,0762 mg/kg dry weight (d.w.)
	Sewage treatment plan	23,6 mg/l
	Soil	75,6 mg/kg dry weight (d.w.)

**Eye / Skin Protection:** Wear protective gloves/eye protection/face protection

**Respiratory Protection:** Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures:

- Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.
- Employ the use of Personal protective equipment - an approved, properly fitted respirator with

- organic vapour cartridges or canisters and particulate filters.
- c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures.
- d) Use closed systems for transferring and processing this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Chocolate
<b>Aroma/Odour:</b>	Coffee
<b>pH:</b>	Not determined.
<b>Initial boiling point/range:</b>	Not determined.
<b>Melting point/freezing point</b>	Not determined.
<b>Flash Point (closed cup test):</b>	> 100°C
<b>Vapour pressure:</b>	< 1 kPa (50 °C) calculated.
<b>Solubility(ies):</b>	
<b>Water solubility</b>	Immiscible
<b>Relative Density:</b>	1.1224 – 1.1364
<b>Upper explosion limit / Upper flammability limit</b>	Vapours may form explosive mixtures with air.
<b>Lower explosion limit / Lower flammability limit</b>	Vapours may form explosive mixtures with air.
<b>Decomposition temperature</b>	Not determined.
<b>Viscosity</b>	
<b>Viscosity, dynamic</b>	Not determined.
<b>Viscosity, kinematic</b>	Not determined.
<b>Partition coefficient: n-octanol/ water</b>	Not applicable
<b>Bulk density</b>	Not applicable
<b>Relative vapour density</b>	Not determined.
<b>Other Information</b>	
<b>Explosives</b>	Due to its structural properties, the product is not classified as explosive
<b>Oxidising properties</b>	The substance or mixture is not classified as oxidizing.
<b>Self-ignition</b>	The substance or mixture is not classified as self-heating.
<b>Evaporation rate</b>	Not applicable
<b>Molecular weight</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>Chemical Stability:</b>	Good stability under normal storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected under normal conditions of use.
<b>Conditions to Avoid:</b>	Avoid extreme heat.
<b>Incompatibles:</b>	Avoid contact with strong acids, alkalis, or oxidising agents.
<b>Hazardous decomposition products:</b>	No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

May be harmful if swallowed.  
 Causes mild skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.

Adelaide Moulding and Candle Supplies  
 7 Woodlands Terrace  
 Edwardstown SA 5039  
 ABN: 85 765 232 986

Phone: +61 8 8294 0451  
 Email: admin@amcsupplies.com.au  
 Web: www.amcsupplies.com.au  
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Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 4661  
 Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000  
 Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Acute toxicity Not classified based on available information.

**Product:**

Acute oral toxicity: Acute toxicity estimate: > 2.000 mg/kg  
 Method: Calculation method

**Information on other hazards**

Endocrine disrupting properties: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Information about hazardous ingredients in the mixture:**

Ingredient	CAS No.	EC No.	LD50/ATE Oral	LC50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl benzoate	120-51-4	204-402-9	1500	4000	Not available	Not available
Diacetyl Natural	431-03-8	207-069-8	1580	Not available	3	Vapour
Maltol	118-71-8	204-271-8	1900	Not available	Not available	Not available

**12. ECOLOGICAL INFORMATION**

Very toxic to aquatic life with long lasting effects.

**Persistence and degradability Components:**

**2-Ethylhexyl salicylate:** Test Type: Closed bottle test, OECD 301-D, (BOD[28]/COD):  
 Biodegradability Result: Readily biodegradable.  
 Biodegradation: 89 %  
 Exposure time: 28 d  
 Method: OECD 301D  
 GLP: yes

**Vanillin:** Test Type: Manometric respiration test  
 Biodegradability Result: Readily biodegradable.  
 Biodegradation: 90 %  
 Exposure time: 28 d  
 Method: OECD 301F  
 GLP: yes

**2-Ethyl-3-hydroxy-4-pyrone:** Test Type: Sturm test, OECD 301-B, (CO2):  
 Biodegradability Inoculum: activated sludge  
 Result: Readily biodegradable.  
 Biodegradation: 100 %  
 Exposure time: 28 d  
 Method: OECD 301B  
 GLP: yes

**3-Ethoxy-4-hydroxybenzaldehyde:** Test Type: Manometric respiration test  
 Biodegradability Result: Readily biodegradable.  
 Biodegradation: 84 %  
 Exposure time: 28 d  
 Method: OECD 301F  
 GLP: yes

**Hexyl salicylate:** Test Type: Manometric respiration test  
 Biodegradability Result: Readily biodegradable.  
 Biodegradation: 91 %  
 Exposure time: 28 d

	Method: OECD 301F GLP: yes
<b>Piperonal:</b> Biodegradability	Test Type: Manometric respiration test Result: Readily biodegradable. Biodegradation: 82 % Exposure time: 28 d Method: OECD 301F GLP: yes
<b>trans-Menthone:</b> Biodegradability	Result: Not readily biodegradable.
<b>2-Hydroxy-3-methylcyclopent-2-enone:</b> Biodegradability	Test Type: Manometric respiration test Result: Readily biodegradable. Biodegradation: 74 % Exposure time: 28 d Method: OECD Test Guideline 301F GLP: yes
<b>Isovaleraldehyde:</b> Biodegradability	Inoculum: activated sludge Result: Not readily biodegradable. Biodegradation: 50 % Exposure time: 28 d Method: OECD 301D GLP: yes
<b>citral:</b> Biodegradability	Test Type: Manometric respiration test Result: Readily biodegradable. Biodegradation: > 90 % Exposure time: 28 d Method: OECD 301F GLP: yes
<b>R)-p-mentha-1,8-diene; d-limonene:</b> Biodegradability	Test Type: CO2 Evolution Test Result: Readily biodegradable. Biodegradation: 71 % Exposure time: 28 d Method: OECD 301B GLP: yes
<b>Cineole:</b> Biodegradability	Test Type: Manometric Respirometry Test Result: Readily biodegradable. Biodegradation: 82 % Exposure time: 28 d Method: OECD 301F G LP: yes
<b>(2-Methoxymethylethoxy)propanol:</b> Biodegradability	Test Type: Manometric respiration test Result: Readily biodegradable. Biodegradation: 96 % Exposure time: 28 d Method: OECD 301F GLP: yes
<b>Bioaccumulative potential Components:</b>	
<b>2-Ethylhexyl salicylate:</b> Partition coefficient: n-octanol/water	log Pow: 5,94 (25 °C) pH: 7,8 Method: OECD Test Guideline 123 GLP: yes
<b>Vanillin:</b> Partition coefficient: n-octanol/water	log Pow: 1,17
<b>2-Ethyl-3-hydroxy-4-pyrone:</b> Partition coefficient: n-octanol/water	log Pow: 2,9 (25 °C) Method: OECD Test Guideline 117 GLP: no
<b>3-Ethoxy-4-hydroxybenzaldehyde:</b>	log Pow: 1,58 (25 °C)



Partition coefficient: n-octanol/water	Method: OECD Test Guideline 107 GLP: No information available.
<b>Hexyl salicylate:</b> Partition coefficient: n-octanol/water	log Pow: 5,5 (30 °C) Method: OECD 117 GLP: yes
<b>Piperonal:</b> Partition coefficient: n-octanol/water	og Pow: 1,1
<b>trans-Menthone:</b> Partition coefficient: n-octanol/water	log Pow: 2,295 (25 °C) Method: OECD 117 GLP: No information available.
<b>2-Hydroxy-3-methylcyclopent-2-enone:</b> Partition coefficient: n-octanol/water	log Pow: 0,4 (25 °C) Method: OECD Test Guideline 117 GLP: no
<b>Isovaleraldehyde:</b> Partition coefficient: n-octanol/water	log Pow: 1,5 (25 °C) pH: 7 Method: OECD 117 GLP: yes
<b>citral:</b> Partition coefficient: n-octanol/water	log Pow: 2,76 (25 °C) Method: OECD Test Guideline 107 GLP: no
<b>Cineole:</b> Partition coefficient: n-octanol/water	log Pow: 3,4 Method: OECD 117 GLP: yes
<b>(2-Methoxymethylethoxy)propanol:</b> Partition coefficient: n-octanol/water	log Pow: 1,01
<b>Mobility in soil Components:</b>	
<b>3-Ethoxy-4-hydroxybenzaldehyde:</b> Distribution among environmental compartments	log Koc: 3,092 Method: OECD Test Guideline 106
<b>trans-Menthone:</b> Distribution among environmental compartments	Adsorption/Soil Medium: Soil log Koc: 1,805 Method: OECD 121
<b>Cineole:</b> Distribution among environmental Compartments	Adsorption/Soil Medium: Sludge log Koc: 2,33 Method: OECD 121
<b>PBT and vPvB assessment:</b>	
<b>Product:</b>	This substance/mixture contains no components considered to be either persistent bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Endocrine disrupting properties:</b>	
<b>Product:</b>	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
<b>Other adverse effects</b>	
<b>Product:</b>	
Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

<b>2-Ethylhexyl salicylate:</b> disposal. Very toxic Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
<b>Vanillin:</b> Additional ecological information :	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Hexyl salicylate:</b> Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
<b>Piperonal:</b> Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>2-Hydroxy-3-methylcyclopent-2-enone:</b> Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Isovaleraldehyde:</b> Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.
<b>citral:</b> Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3082
<b>UN Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Dibenzyl ether, 2-Ethylhexyl salicylate, 2-Hydroxy-benzoic acid-hexylester)
<b>Transport Hazard Class(es):</b>	9
<b>Sub Risk:</b>	-
<b>Packing Group</b>	
<b>ADR</b>	
Packing Group:	III
Classification code:	M6
Hazard Identification No:	90
Labels:	9
Tunnel restriction:	(-)
<b>RID</b>	
Packing Group:	III
Classification code:	M6
Hazard Identification No:	90
Labels:	9
<b>IMDG</b>	
Packing Group:	III
Labels:	9
EmS code:	F-A, S-F
<b>IATA (Cargo)</b>	
Packing Instruction (cargo aircraft):	964
Packing Instruction (LQ):	Y964

Packing Group: III  
 Labels: Miscellaneous  
**IATA\_P (Passenger)**  
 Packing Instruction (passenger aircraft): 964  
 Packing Instruction (LQ): Y964  
 Packing Group: III  
 Labels: Miscellaneous

**Environmental hazards:** This is an environmentally hazardous substance.

**Special Precautions for user:** The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** None applicable.

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations Specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations, and articles (Annex XVII):

Conditions of restriction for the following entries should be considered: Number on list 3  
 Peppermint, ext. (Number on list 3)  
 Hexyl salicylate (Number on list 3)  
 Anisaldehyde (Number on list 3)  
 2-(4-Methylthiazol-5-yl)ethanol (Number on list 3)

2-Ethylhexyl salicylate (Number on list 3) Isovaleraldehyde (Number on list 40, 3)  
 citral (Number on list 3)  
 2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (Number on list 3)  
 benzaldehyde (Number on list 3)  
 Ethyl butyrate (Number on list 40, 3)  
 (R)-p-mentha-1,8-diene; d-limonene (Number on list 40, 3)  
 2(3H)-Furanone, dihydro-5-octyl- (Number on list 3)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable

REACH - List of substances subject to authorisation (Annex XIV): Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
E2	ENVIRONMENTAL HAZARDS	200t	500t

**Water hazard class (Germany):** WGK 1 hazardous to water  
 Classification according to AwSV, Annex 1 (5.2)

**TA Luft List (Germany):** Total dust:  
 Not applicable  
 Inorganic substances in powdered form:  
 Not applicable  
 Inorganic substances in vapour or gaseous form:  
 Not applicable  
 Organic Substances:

portion Class 1: 0,03 %  
 Carcinogenic substances:  
 Not applicable  
 Mutagenic:  
 Not applicable  
 Toxic to reproduction:  
 Not applicable

**Volatile organic compounds:** Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control). Volatile organic compounds (VOC) content: 3,03 %

**Other regulations:** Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

**Chemical safety assessment:** A Chemical Safety Assessment is not required for this substance.

## 16. OTHER INFORMATION

**Concentration % Limits:** EH A1=89.30% EH A2=8.93% EH A3=0.87367987% EH C2=49.51% EH C3=4.95% EH C4=89.30% SCI 3=17.25% EDI 2A=80.00% SS 1=66.67%

**Total Fractional Values:** EH A1=1.12 EH A2=11.20 EH A3=114.46 EH C2=2.02 EH C3=20.20 EH C4=1.12 SCI 3=5.80 EDI 2A=1.25 SS 1=1.50

**Key to revisions:** 14.2. UN proper shipping name  
 Concentration % Limits  
 Information about hazardous ingredients in the mixture  
 SECTION 3: Composition/information on ingredients  
 Total Fractional Values

### Abbreviations:

Abbreviation	Meaning
Acute Tox.	Acute toxicity
Acute Tox. 3	Acute Toxicity – Inhalation Category 3
Acute Tox. 4	Acute Toxicity – Oral Category 4
Acute Tox. 5	Acute Toxicity – Dermal Category 5
Acute Tox. 5	Acute Toxicity - Oral Category 5
Aquatic Acute	Short-term (acute) aquatic hazard
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic	Long-term (chronic) aquatic hazard
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Asp. Tox.	Aspiration hazard
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit.	Eye irritation
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq.	Flammable liquids
Flam. Liq. 2	Flammable Liquid, Hazard Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.

H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
P310	Immediately call a POISON CENTER or doctor/physician.
P312	do. Continue rinsing.
P330	Rinse mouth.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation occurs: Get medical advice/attention.
P337/313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT RE 2	Specific Target Organ Toxicity (Repeated Exposure) Category 2
STOT RE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Irrit.	Skin irritation
Skin Irrit. 2	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Skin Irrit. 3	Skin Corrosion / Irritation Category 2
Skin Sens.	Skin sensitisation
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Skin Corrosion / Irritation Category 3
91/322/EEC	Europe. Commission Directive 91/322/EEC on establishing indicative limit values

DE TRGS 900	Germany. TRGS 900 - Occupational exposure limit values.
DFG	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).
EU SCOEL	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended
91/322/EEC / TWA	Time weighted average
DE TRGS 900 / AGW	Exposure limit(s):
DFG / MAK	Maximum allowable concentration:
EU SCOEL / TWA	Time weighted average

**Further information**

Classification of mixture		Classification Procedure
Aquatic Chronic 2	H411	Calculation method

The information in this safety data sheet is to the best of our knowledge true and accurate, but all data, instructions, and recommendations and/or suggestions are made without guarantee.

The Material Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes.