



# Honey #TCDL-CFRA-BOWL-NHON

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 10/11/2019 Revision date: 8/14/2020 Supersedes: 10/11/2019 Version: 2.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Honey #TCDL-CFRA-BOWL-NHON  
UFI : WF95-92MR-2005-A5GS  
Product code : TCDL-CFRA-BOWL-NHON  
Type of product : Perfumes, Fragrances  
Product group : Finished Good

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Industrial  
Use of the substance/mixture : Perfumes, Fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

The Cosy Owl  
20-28 Albert Road,  
Braintree,  
Essex CM7 3JQ  
Tel: +44 1376 560 348  
[enquiries@cosyowl.com](mailto:enquiries@cosyowl.com) – [www.cosyowl.com](http://www.cosyowl.com)  
Company registration number: 07738645

#### 1.4. Emergency telephone number

Emergency number: +44 1376 560 348

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral) Category 4 H302  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitization, Category 1 H317  
Carcinogenicity Category 1B H350  
Hazardous to the aquatic environment - Chronic Hazard Category 2 H411  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

May cause cancer. Harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



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Signal word (CLP)	: Danger
Hazardous ingredients	: Benzyl benzoate; Damascenone Total; Acetaldehyde; Isoeugenol; 2-Hydroxybenzoic acid, benzyl ester; Majantol; Mayol; Hydroxy; Nutmeg Oil
Hazard statements (CLP)	: H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H350 - May cause cancer. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl benzoate	(CAS-No.) 120-51-4 (EC-No.) 204-402-9 (EC Index-No.) 607-085-00-9 (REACH-no) 01-2119976371-33	44.89 – 64.89	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Verdorex	(CAS-No.) 88-41-5 (EC-No.) 201-828-7 (REACH-no) 01-2119970713-33	4 – 8	Aquatic Chronic 2, H411
2-Hydroxybenzoic acid, benzyl ester	(CAS-No.) 118-58-1 (EC-No.) 204-262-9 (REACH-no) 01-2119969442-31	4 – 8	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Ethyl vanillin crystals	(CAS-No.) 121-32-4 (EC-No.) 204-464-7 (REACH-no) 01-211958961-24	1.5 – 3	Eye Irrit. 2, H319
Aldehyde C-14	(CAS-No.) 104-67-6 (EC-No.) 203-225-4 (REACH-no) 01-2119959333-34	1.5 – 3	Aquatic Chronic 3, H412
Tetrahydrolinolool	(CAS-No.) 78-69-3 (EC-No.) 201-133-9	1.315 – 2.63	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Anisic aldehyde	(CAS-No.) 123-11-5 (EC-No.) 204-602-6 (REACH-no) 01-2119977101-43	0.9 – 1.8	Aquatic Chronic 3, H412
Benzene carboxaldehyde	(CAS-No.) 100-52-7 (EC-No.) 202-860-4 (EC Index-No.) 605-012-00-5 (REACH-no) 01-2119455540-44	0.75 – 1.5	Acute Tox. 4 (Oral), H302

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Majantol	(CAS-No.) 103694-68-4 (EC-No.) 403-140-4 (EC Index-No.) 603-138-00-5	0.023 – 0.50508	Skin Sens. 1, H317 Aquatic Chronic 3, H412
Mayol	(CAS-No.) 13828-37-0 (EC-No.) 237-539-8	0.023 – 0.46	Skin Sens. 1B, H317 Skin Irrit. 2, H315
Hydroxy	(CAS-No.) 107-75-5 (EC-No.) 203-518-7 (REACH-no) 01-2119973482-31	0.17802 – 0.35604	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Isoeugenol	(CAS-No.) 97-54-1 (EC-No.) 202-590-7 (EC Index-No.) 604-094-00-X; 202-590-1 (REACH-no) 17-2119417630-49	0.1 – 0.2	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
ethylene dodecanedioate	(CAS-No.) 54982-83-1 (EC-No.) 259-423-6	0.0023 – 0.11086	Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Damascenone Total	(CAS-No.) 23696-85-7 (EC-No.) 245-833-2	0.05 – 0.1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Acetaldehyde	(CAS-No.) 75-07-0 (EC-No.) 200-836-8 (EC Index-No.) 605-003-00-6	0.05 – 0.1	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335
Nutmeg Oil	(CAS-No.) 8008-45-5 (EC-No.) 282-013-3;616-921-1	0.05 – 0.1	Flam. Liq. 3, H226 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Isoeugenol	(CAS-No.) 97-54-1 (EC-No.) 202-590-7 (EC Index-No.) 604-094-00-X; 202-590-1 (REACH-no) 17-2119417630-49	( 0.01 ≤C < 100) Skin Sens. 1A, H317

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
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Symptoms/effects after eye contact : Eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.
Storage temperature	: 25 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Store in a closed container.
Packaging materials	: Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Acetaldehyde (75-07-0)	
<b>Austria - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
MAK (ppm)	50 ppm
MAK Short time value (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
MAK Short time value (ppm)	50 ppm
OEL - Ceilings (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
OEL - Ceilings (ppm)	50 ppm
OEL chemical category (AT)	Group B Carcinogen
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup>
OEL STEL (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
<b>Croatia - Occupational Exposure Limits</b>	
GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
GVI (granična vrijednost izloženosti) (ppm)	20 ppm
KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	92 mg/m <sup>3</sup>
KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	50 ppm
<b>Czech Republic - Occupational Exposure Limits</b>	
Exposure limits (PEL) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
Grænsevædi (loftværdi) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
Grænsevædi (loftværdi) (ppm)	25 ppm
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
OEL STEL (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
OEL STEL (ppm)	50 ppm
OEL chemical category (ET)	Carcinogenic substance
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (15 min)	46 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	25 ppm

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<b>France - Occupational Exposure Limits</b>	
VME (mg/m <sup>3</sup> )	180 mg/m <sup>3</sup>
VME (ppm)	100 ppm
OEL chemical category (FR)	Carcinogen category 2
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	91 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	50 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	180 mg/m <sup>3</sup>
OEL TWA (ppm)	100 ppm
OEL STEL (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL STEL (ppm)	150 ppm
<b>Hungary - Occupational Exposure Limits</b>	
Exposure Limit Value	25 mg/m <sup>3</sup>
CK-érték	25 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL (15 min ref) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
OEL (15 min ref) (ppm)	25 ppm
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
IPRV (ppm)	25 ppm
TPRV (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
TPRV (ppm)	50 ppm
OEL chemical category (LT)	Carcinogen
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	92 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDSP (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
<b>Portugal - Occupational Exposure Limits</b>	
OEL - Ceilings (ppm)	25 ppm
OEL chemical category (PT)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	180 mg/m <sup>3</sup>
OEL STEL (ppm)	100 ppm

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<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (priemerná) (mg/m <sup>3</sup> )	91 mg/m <sup>3</sup>
NPHV (priemerná) (ppm)	50 ppm
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	91 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	91 mg/m <sup>3</sup>
OEL STEL (ppm)	50 ppm
OEL chemical category (SI)	Category 2
<b>Spain - Occupational Exposure Limits</b>	
VLA-EC (mg/m <sup>3</sup> )	46 mg/m <sup>3</sup>
VLA-EC (ppm)	25 ppm
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	25 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	50 ppm
OEL chemical category (SE)	Carcinogen
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
WEL TWA (ppm)	20 ppm
WEL STEL (mg/m <sup>3</sup> )	92 mg/m <sup>3</sup>
WEL STEL (ppm)	50 ppm
<b>Norway - Occupational Exposure Limits</b>	
TWA (AN) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
TWA (AN) (ppm)	25 ppm
TWA (Korttidsverdi) (mg/m <sup>3</sup> )	67.5 mg/m <sup>3</sup> (value calculated)
TWA (Korttidsverdi) (ppm)	37.5 ppm (value calculated)
OEL chemical category (NO)	Carcinogen
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
MAK (ppm)	50 ppm
KZGW (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
KZGW (ppm)	50 ppm
OEL chemical category (CH)	Category C2 carcinogen
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH Ceiling (ppm)	25 ppm
ACGIH chemical category	Suspected Human Carcinogen

### **Benzene carboxaldehyde (100-52-7)**

#### **Bulgaria - Occupational Exposure Limits**

OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
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Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m <sup>3</sup> )	4.4 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	1 ppm
OEL Ceiling (mg/m <sup>3</sup> )	17.4 mg/m <sup>3</sup>
OEL Ceiling (ppm)	4 ppm
Hungary - Occupational Exposure Limits	
Exposure Limit Value	5 mg/m <sup>3</sup>
CK-érték	10 mg/m <sup>3</sup>
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Lithuania - Occupational Exposure Limits	
IPRV (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Poland - Occupational Exposure Limits	
NDS (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
NDSCh (mg/m <sup>3</sup> )	40 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear respiratory protection.

#### Personal protective equipment symbol(s):



#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: light yellow. amber.
Odor	: characteristic.
Odor threshold	: No data available



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pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 95 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: ≈ 1.06
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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ATE CLP (oral)	763.703 mg/kg body weight
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#### Acetaldehyde (75-07-0)

LD50 oral rat	660 mg/kg
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LD50 oral	700 mg/kg body weight
LD50 dermal rabbit	3540 mg/kg
LD50 dermal	3540 mg/kg body weight
LC50 inhalation rat (ppm)	13000 ppm/4h

### Damascenone Total (23696-85-7)

LD50 dermal	2900 mg/kg body weight
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### Isoeugenol (97-54-1)

LD50 oral rat	1560 mg/kg
LD50 oral	1500 mg/kg body weight
LD50 dermal	1912 mg/kg body weight

### Benzene carboxaldehyde (100-52-7)

LD50 oral rat	1292 mg/kg
LD50 dermal rabbit	> 1250 mg/kg

### Anisic aldehyde (123-11-5)

LD50 oral rat	> 2000 mg/kg
LD50 oral	3210 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 0.32 mg/l (Exposure time: 7 h)

### Ethyl vanillin crystals (121-32-4)

LD50 oral rat	1590 mg/kg
LD50 oral	3000 mg/kg body weight

### Aldehyde C-14 (104-67-6)

LD50 oral rat	18500 mg/kg
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### Verdox (88-41-5)

LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg body weight

### 2-Hydroxybenzoic acid, benzyl ester (118-58-1)

LD50 oral rat	2227 mg/kg
LD50 oral	2200 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg

### Benzyl benzoate (120-51-4)

LD50 oral rat	500 mg/kg
LD50 oral	1500 mg/kg body weight
LD50 dermal rabbit	4000 mg/kg
LD50 dermal	4000 mg/kg body weight

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<b>Tetrahydroinalool (78-69-3)</b>	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/kg

<b>Majantol (103694-68-4)</b>	
LD50 oral	3440 mg/kg body weight

<b>ethylene dodecanedioate (54982-83-1)</b>	
LD50 oral	4500 mg/kg body weight

<b>Hydroxy (107-75-5)</b>	
LD50 oral rat	> 5 g/kg

<b>Nutmeg Oil (8008-45-5)</b>	
LD50 oral rat	2620 mg/kg
LD50 dermal rabbit	> 10 g/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

<b>Acetaldehyde (75-07-0)</b>	
IARC group	1 - Carcinogenic to humans,2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

<b>Acetaldehyde (75-07-0)</b>	
LC50 fish 1	28.0 – 34.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	3.64 – 6.15 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Daphnia 2	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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<b>Benzene carboxaldehyde (100-52-7)</b>	
LC50 fish 1	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

<b>Ethyl vanillin crystals (121-32-4)</b>	
LC50 fish 1	81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

<b>Aldehyde C-14 (104-67-6)</b>	
LC50 fish 1	569 mg/l 96 h
EC50 Daphnia 1	5.85 mg/l 48 h
EC50 other aquatic organisms 1	5.94 mg/l 72 h

<b>2-Hydroxybenzoic acid, benzyl ester (118-58-1)</b>	
LC50 fish 1	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

<b>Benzyl benzoate (120-51-4)</b>	
LC50 fish 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l

<b>Tetrahydrolinalool (78-69-3)</b>	
LC50 fish 1	8.9 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

<b>ethylene dodecanedioate (54982-83-1)</b>	
LC50 fish 1	0.88 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

### 12.2. Persistence and degradability

<b>Benzyl benzoate (120-51-4)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

<b>Acetaldehyde (75-07-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.5

<b>Benzene carboxaldehyde (100-52-7)</b>	
BCF fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.48 (at 20 °C)

<b>Benzyl benzoate (120-51-4)</b>	
Partition coefficient n-octanol/water (Log Pow)	4
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

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### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : UN 3082  
UN-No. (IMDG) : UN 3082  
UN-No. (IATA) : UN 3082  
UN-No. (ADN) : UN 3082  
UN-No. (RID) : UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.  
Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, (-)  
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III, MARINE POLLUTANT  
Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate), 9, III  
Transport document description (ADN) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate), 9, III  
Transport document description (RID) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 9  
Hazard labels (ADR) : 9



#### IMDG

Transport hazard class(es) (IMDG) : 9  
Hazard labels (IMDG) : 9



#### IATA

Transport hazard class(es) (IATA) : 9  
Hazard labels (IATA) : 9

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### ADN

Transport hazard class(es) (ADN) : 9

Hazard labels (ADN) : 9



### RID

Transport hazard class(es) (RID) : 9

Hazard labels (RID) : 9



## 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

## 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : M6

Special provision (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13

Hazard identification number (Kemler No.) : 90

Orange plates :   


Tunnel restriction code (ADR) : -

EAC : •3Z

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### Transport by sea

Special provision (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provision (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

### Inland waterway transport

Classification code (ADN)	: M6
Special provision (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: M6
Special provision (RID)	: 274, 335, 375, 601
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable
3(a)	Acetaldehyde ; Nutmeg Oil

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3(b)	Honey #TCDL-CFRA-BOWL-NHON ; Benzyl benzoate ; Benzene carboxaldehyde ; Damascenone Total ; Acetaldehyde ; Isoeugenol ; 2-Hydroxybenzoic acid, benzyl ester ; Majantol ; Mayol ; Hydroxy ; Tetrahydrolinool ; Nutmeg Oil
3(c)	Honey #TCDL-CFRA-BOWL-NHON ; Benzyl benzoate ; Verdox ; Damascenone Total ; Aldehyde C-14 ; 2-Hydroxybenzoic acid, benzyl ester ; Anisic aldehyde ; Majantol ; ethylene dodecanedioate ; Nutmeg Oil
40.	Acetaldehyde ; Nutmeg Oil

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### 15.1.2. National regulations

#### Germany

Water hazard class (WGK) : WGK 2, significant hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : Acetaldehyde is listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Ontwikkeling

#### Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard



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IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

### Full text of H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids Category 1
Flam. Liq. 3	Flammable liquids Category 3
Muta. 2	Germ cell mutagenicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H224	Extremely flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

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H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.