



## MSDS

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Commission Regulation (EU) No 2020/878 of 18 June 2020

### Fragrance Lemon Juicy CFB 28200

No. EN 6

: 02.07.2025

: 08.07.2025

#### IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:

##### 1.1. Product identifier:

###### MIXTURE IDENTIFICATION:

Product name	Fragrance Lemon Juicy CFB 28200
Product number	28200
UFI Code	N7SS-20WQ-Q00E-U7MY

##### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

RECOMMENDED USE: Aromatic ingredient for household chemicals and cosmetics.  
Manufacturing use only, not for direct consumption as such.

USES ADVISED AGAINST: Do not use in food.

##### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

COMPETENT PERSON RESPONSIBLE FOR THE MATERIAL SAFETY DATA SHEET: Forbury Supplies Ltd

ADDRESS OF THE SUPPLIER: 22 Frieth Close, Earley,  
Reading, England, RG6 5UY

TELEPHONE NUMBER OF THE SUPPLIER: +447786555361

E-MAIL: forburysupplies@gmail.com

##### 1.4. EMERGENCY CONTACTS:

###### IN CASE OF INTOXICATION:

UNITED KINGDOM - National Poisons Information Service  
(24 h service), phone: +44 (0) 844-892-0111  
(UK only);  
FOR OTHER EU COUNTRIES, please consult:  
[http://echa.europa.eu/help/nationalhelp\\_contact\\_en.asp](http://echa.europa.eu/help/nationalhelp_contact_en.asp)

#### SECTION 2 - HAZARDS IDENTIFICATION

##### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to regulation (EC) No 1272/2008 (CLP)

Product definition	Mixture
H412	Aquatic Chronic 3
H317	Skin Sens. 1
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H400	Aquatic Acute 1

##### 2.2. LABEL ELEMENTS

###### Labelling according to Regulation (EC) (CLP)

Hazard pictograms:



Signal word

Danger

**Hazard statements**

H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

**Precautionary statements (Prevention and Intervention)**

P273	Avoid release to the environment.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray. [As modified by IV ATP]
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP]
P264	Wash thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 SUBSTANCES: Mixture of natural, nature identical and synthetic aromatic products.

3.2 MIXTURES: Mixture of natural and synthetic aromatic ingredients.

3.2 Hazardous components:

INGREDIENTS	%	CAS No. / EC No. Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE )	<49%	CAS No. 5989-27-5 8028-48-6 EC No. 227-813-5 Index No.601-096-00-2 REACH No.01-2119529223-47-xxxx	Flam. Liq. 3:H226 Skin Sens. 1B:H317 Skin Irrit. 2:H315 Aquatic Acute 1:H400 Asp. Tox. 1 :H304 Aquatic Chronic 3 :H412 M=1
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL )	<10,5%	CAS No. 5392-40-5 EC No. 226-394-6 Index No. REACH No.01-2119462829-23-xxxx	Skin Sens. 1B:H317 Skin Irrit. 2:H315 Eye Irrit. 2:H319
Aldehyde C-10 (IUPAC: DECANAL )	<2,1%	CAS No. 112-31-2 EC No. 203-957-4 Index No. REACH No.01-2119967771-26-xxxx	Eye Irrit. 2:H319 Aquatic Chronic 3 :H412
Ocimene CIS (IUPAC: (3E)-3,7-DIMETHYLOCTA-1,3,6-TRIENE )	<1,4%	CAS No. 13877-91-3 EC No. 237-641-2 Index No. REACH No.01-2120739475-47-xxxx	Aquatic Chronic 2:H411 Flam. Liq. 3:H226 Skin Irrit. 2:H315 Aquatic Acute 1:H400 Asp. Tox. 1 :H304 M=1
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL )	<1,4%	CAS No. 78-70-6 EC No. 201-134-4 Index No.603-235-00-2 REACH No.01-2119474016-42-xxxx	Skin Sens. 1B:H317 Skin Irrit. 2:H315 Eye Irrit. 2:H319
Pinene Alpha (IUPAC: 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE )	<0,7%	CAS No. 80-56-8 7785-26-4 EC No. 201-291-9 Index No. REACH No.01-2119519223-49-0001	Aquatic Chronic 1:H410 Acute Tox. 4 ORAL H302 :H302 Flam. Liq. 3:H226 Skin Sens. 1B:H317 Skin Irrit. 2:H315 Aquatic Acute 1:H400 Asp. Tox. 1 :H304 M Chr=1
Litsea Cubeba Oil	<0,7%	CAS No. 68855-99-2 EC No. 614-741-8 Index No. REACH No.	Aquatic Chronic 1:H410 Skin Sens. 1:H317 Flam. Liq. 3:H226 Skin Irrit. 2:H315 Aquatic Acute 1:H400 Asp. Tox. 1 :H304

Nerol (IUPAC: (2Z)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL )	<0,7%	CAS No. 106-25-2 EC No. 203-378-7 Index No. REACH No.203-378-7	Skin Sens. 1B:H317 Skin Irrit. 2:H315 Eye Irrit. 2:H319
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL )	<0,35%	CAS No. 106-22-9 EC No. 203-375-0 Index No. REACH No.01-2119453995-23-xxxx	Skin Sens. 1B:H317 Skin Irrit. 2:H315 Eye Irrit. 2:H319
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE )	<0,35%	CAS No. 105-87-3 EC No. 203-341-5 Index No. REACH No.01-2119973480-35-xxxx	Skin Sens. 1:H317 Skin Irrit. 2:H315 Aquatic Chronic 3 :H412
Neryl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE )	<0,35%	CAS No. 141-12-8 EC No. 205-459-2 Index No. REACH No.01-2120748334-54-xxx	Skin Sens. 1B:H317
Para Cymene (IUPAC: 1-METHYL-4-(PROPAN-2-YL)BENZENE )	<0,21%	CAS No. 99-87-6 1197-01-9 EC No. 202-796-7 Index No. REACH No.01-2119881770-31-xxxx	Aquatic Chronic 2:H411 Flam. Liq. 3:H226 Skin Irrit. 2:H315 Eye Irrit. 2:H319 Asp. Tox. 1 :H304 STOT SE 3 (H335):H335 Repr. 2 :H361 Acute Tox. 3 INHALATION:H331
Mint Terpenes (IUPAC: CORN MINT OIL )	<0,17%	CAS No. 90063-97-1 68608-35-5 EC No. 290-058-5 Index No. REACH No.01-2119973492-30-0042	Skin Sens. 1:H317 Acute Tox. 4 ORAL H302 :H302 Skin Irrit. 2:H315 Eye Irrit. 2:H319 Aquatic Chronic 3 :H412
Caryophyllene Beta-95% (IUPAC: (1R,4E,9S)-4,11,11-TRIMETHYL-8-METHYLDIENE BICYCLO[7.2.0]UNDEC-4-ENE )	<0,14%	CAS No. 87-44-5 13877-93-5 EC No. 201-746-1 Index No. REACH No.01-2120745237-53-xxxx	Skin Sens. 1B:H317 Asp. Tox. 1 :H304 Aquatic Chronic 3 :H412
Eucaliptol (IUPAC: 1,3,3-TRIMETHYL-2-OXABICYCLO[2.2.2]OCTANE )	<0,14%	CAS No. 470-82-6 EC No. 207-431-5 Index No. REACH No.01-2119967772-24-xxxx	Flam. Liq. 3:H226 Skin Sens. 1B:H317
Pinene Beta (IUPAC: 6,6-DIMETHYL-2-METHYLENE BICYCLO[3.1.1]HEPTANE )	<0,14%	CAS No. 127-91-3 EC No. 204-872-5 Index No. REACH No.01-2119519230-54-xxxx	Aquatic Chronic 1:H410 Flam. Liq. 3:H226 Skin Sens. 1B:H317 Skin Irrit. 2:H315 Aquatic Acute 1:H400 Asp. Tox. 1 :H304 M=1
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL )	<0,05%	CAS No. 128-37-0 EC No. 204-881-4 Index No. REACH No. 01-2119555270-46-0000	Aquatic Chronic 1:H410 M Chr=1
Benzyl Acetate (IUPAC: BENZYL ACETATE )	<0,03%	CAS No. 140-11-4 EC No. 205-399-7 Index No. REACH No.01-2119638272-42-xxxx	Aquatic Chronic 3 :H412

## SECTION 4 - FIRST-AID MEASURES

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

Skin contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information**

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.

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

Notes for the doctor No specific recommendations.

**SECTION 5 - FIRE-FIGHTING MEASURES****5.1 Extinguishing media:**

Suitable extinguishing media

Extinguish with the following media: Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Water.

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

Specific hazards

Toxic gases or vapours

**5.3. Advice for firefighters**

Protective actions during firefighting

Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

**6.2. Environmental precautions**

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

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

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight

7.3. Specific end use(s)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

INGREDIENT	CAS №	TWA, 8 hours
Benzyl Acetate (IUPAC: BENZYL A	140-11-4	TWA= 5* mg/m³

ADDITIONAL INFORMATION:

Information valid at the time of review of safety data sheet.

**8.2. EXPOSURE CONTROLS:**

**ENGINEERING MEASURES: Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work. HYGIENIC MEASURES: When using do not eat, drink or smoke.**

GENERAL PROTECTIVE AND HYGIENIC MEASURES:	Avoid contact with the eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.
RESPIRATORY PROTECTION:	Avoid excessive inhalation of concentrated vapors. Ensure adequate ventilation. If workers are exposed to high concentrations, they must use appropriate, certified respirators. Wear suitable respiratory protection in case of large scale exposure. Suitable facemask in accordance with EN 140.
BODY PROTECTION:	Protective clothing. Safety showers should be available in the immediate vicinity of any potential exposure. Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367.
EYE PROTECTION:	Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Hygiene measures	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
HAND PROTECTION:	Chemical protective gloves according to DIN EN 374 with CE-labelling. Suitable material - nitril. 0.13 mm. Indication of permeation breakthrough time – 1 hour. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics. Gloves for mechanical protection do not provide protection against chemicals.
RISK MANAGEMENT MEASURES:	The operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Homogeneous transparent liquid , opalescence is allowed.
AUTOIGNITION TEMPERATURE:	No spontaneous combustion
BOILING POINT:	No data available
COLOUR:	From colorless to brown
DECOMPOSITION TEMPERATURE:	No data available
DENSITY, 20 °C:	0.9 – 1.6 g/cm <sup>3</sup>
FLASH POINT:	> 61 °C
FREEZING POINT:	No data available
FREEZING POINT:	No data available
KINEMATIC VISCOSITY:	No data available
LOWER AND UPPER EXPLOSIVE LIMITS:	Not explosive
MELTING POINT/MELTING RANG:	< 0 °C
ODOUR:	Fragrance description

PARTITION COEFFICIENT N OCTANOL/WATER (LOG MEAN):	No data available
pH:	No data available
RELATIVE VAPOR DENSITY:	No data available
SOLUBILITY IN ALCOHOL:	Soluble
SOLUBILITY IN WATER:	Limited solubility
VAPOR PRESSURE:	No data available

## SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY:	The product is stable and relatively inert under normal conditions of use, storage and transport.
10.2. CHEMICAL STABILITY:	Under the conditions of use specified in Section 7, the product is stable.
10.3. POSSIBILITY OF HAZARDOUS REACTION:	Under normal conditions of use, there is no information on dangerous reactions.
10.4. CONDITIONS TO AVOID:	Contact with incompatible materials.
10.5. INCOMPATIBLE MATERIALS:	Strong acids, strong bases, strong oxidants.
10.6. HAZARDOUS DECOMPOSITION PRODUCTS:	No decomposition product of storage and handling conditions are followed. In case of fire, hazardous gases may form.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### INHALATION

Acute toxicity:	No data available
Corrosion/irritation:	Not classified – based on available data, the classification criteria are not met.
Sensitisation:	Does not contain substances classified as respiratory sensitizer. Not classified – based on available data, the classification criteria are not met.
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.

#### SKIN CONTACT:

Acute toxicity:	No data available
Corrosion/irritation:	Not classified – based on available data, the classification criteria are not met.
Sensitisation:	Does not contain substances classified as respiratory sensitizer. Not classified – based on available data, the classification criteria are not met.
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.

#### EYE CONTACT:

Corrosion/irritation:	No data available
INGESTION:	
Acute toxicity:	No data available
Corrosion/irritation:	May cause a feeling of sickness, vomiting and diarrhoea.

Sensitisation:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.
Reprotoxicity:	Not expected to be reprotoxic. Not classified – based on available data, the classification criteria are not met. Fertility: Not classified – based on available data, the classification criteria are not met.
11.2. PRIMARY IRRITANT EFFECT:	No data available
11.2.1 ENDOCRINE DISRUPTING PROPERTIES:	BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL )
11.3. SENSITISATION:	Classified as Sensitisation — Skin, hazard category 1.
11.4 CHRONIC EFFECT:	Classified as Hazardous to the aquatic environment — Chronic Category 3.
11.5 TARGET ORGANS:	Does not have any classifiable toxicity.
11.6. CARCINOGENICITY:	Does not have any classifiable toxicity.
11.7. MUTAGENICITY:	Does not have any classifiable toxicity.
11.8. REPROTOXICITY:	Does not have any classifiable toxicity.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. TOXICITY:

**No ecotoxicological research has been carried out on this product.**

**Ecotoxicity - Toxic to aquatic organisms:**

Ingredients Toxicity:

AQUATIC TOXICITY:

D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE )	
5989-27-5 8028-48-6	
EC50/72H	320 mg/l(Aquatic algae and cyanoba)
EC50/48 H	250 (Algae)
EC50/48 H	250 mg/l(Aquatic algae and cyanoba)
EC50/48 H	510 mg/l(Aquatic invertebrates)
EC50/48 H	408,5 mg/l(Aquatic invertebrates)
EC50/24H	840 mg/l(Aquatic invertebrates)
EC50/21days	188 mg/l(Aquatic invertebrates)
LC50/96 H	720 mg/l(Fish)
EC50/96 H	702 mg/l(Fish)
LC50/96 H	590 mg/l(Fish)
EC50/96 H	695 (Fish)
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL )	
5392-40-5	
EC50/72H	103,8 mg/l(Algae)
LC50/96 H	6,78 mg/l(Fish)
Aldehyde C-10 (IUPAC: DECANAL )	
112-31-2	
EC50/72H	3,145 mg/l(Algae)
EC50/48 H	1,555 mg/l(Aquatic invertebrates)
LC50/96 H	1,775 mg/l(Fish)
Ocimene CIS (IUPAC: (3E)-3,7-DIMETHYLOCTA-1,3,6-TRIENE )	

13877-91-3	
EC50/48 H	342 mg/l(Aquatic algae and cyanoba)
EC50/48 H	1,47 mg/l(Aquatic invertebrates)
EC50/24H	1,792 mg/l(Aquatic invertebrates)
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL )	
78-70-6	
EC50/96 H	122,5 mg/l(Algae)
EC50/96 H	59 mg/l(Aquatic invertebrates)
LC50/96 H	27,8 mg/l(Fish)
LC50/72H	27,8 mg/l(Fish)
LC50/48 H	27,8 mg/l(Fish)
Pinene Alpha (IUPAC: 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE )	
80-56-8 7785-26-4	
EC50/48 H	475 (Aquatic invertebrates)
LC50/24H	1,83 mg/l(Daphnia magna)
LC50/96 H	303 (Fish)
Nerol (IUPAC: (2Z)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL )	
106-25-2	
LC50/72H	9,54 mg/l(Algae)
EC50/72H	9,54 mg/l(Algae)
EC50/48 H	32,4 mg/l(Aquatic invertebrates)
LC50/96 H	20,3 mg/l(Fish)
EC50/96 H	20,3 mg/l(Fish)
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL )	
106-22-9	
EC50/72H	2,4 mg/l(Aquatic algae and cyanoba)
EC50/72H	2,4 mg/l(Algae)
EC50/48 H	17,48 mg/l(Aquatic invertebrates)
EC50/48 H	17,48 mg/l(Aquatic invertebrates)
LC50/96 H	14,66 mg/l(Fish)
LC50/96 H	14,66 mg/l(Fish)
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE )	
105-87-3	
EC50/72H	3,72 mg/l(Algae)
EC50/72H	3,72 mg/l(Aquatic algae and cyanoba)
EC50/48 H	14,1 mg/l(Aquatic invertebrates)
EC50/48 H	14,1 mg/l(Aquatic invertebrates)
LC50/96 H	68,12 mg/l(Fish)
LC50/96 H	68,12 mg/l(Fish)
Neryl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE )	
141-12-8	
EC50/48 H	9,515 mg/l(Aquatic invertebrates)
LC50/96 H	6 mg/l(Fish)
Para Cymene (IUPAC: 1-METHYL-4-(PROPAN-2-YL)BENZENE )	
99-87-6 1197-01-9	
LC50/72H	0,26 mg/l(Cyprinodon variegatus)
LC50/48 H	0,3 mg/l(Cyprinodon variegatus)
LC50/96 H	0,28 mg/l(Cyprinodon variegatus)
LC50/24H	0,26 mg/l(Cyprinodon variegatus)
LC50/48 H	0,81 mg/l(Daphnia magna)
LC50/24H	0,97 mg/l(Daphnia magna)



LC50/96 H	82 mg/l(Fish)
Mint Terpenes (IUPAC: CORNMINT OIL )	
90063-97-1 68608-35-5	
EC50/96 H	2,63 mg/l(Algae)
EC50/48 H	2,43 mg/l(Aquatic invertebrates)
LC50/96 H	3,01 mg/l(Fish)
Caryophyllene Beta-95% (IUPAC: (1R,4E,9S)-4,11,11-TRIMETHYL-8-METHYLIDENE BICYCLO[7.2.0]UNDEC-4-ENE )	
87-44-5 13877-93-5	
EC50/72H	33 (Algae)
EC50/48 H	170 (Aquatic invertebrates)
Eucaliptol (IUPAC: 1,3,3-TRIMETHYL-2-OXABICYCLO[2.2.2]OCTANE )	
470-82-6	
EC50/72H	74 mg/l(Algae)
EC50/96 H	87 mg/l(Algae)
EC50/48 H	100 mg/l(Aquatic invertebrates)
LC50/96 H	57 mg/l(Fish)
Pinene Beta (IUPAC: 6,6-DIMETHYL-2-METHYLENE BICYCLO[3.1.1]HEPTANE )	
127-91-3	
LC50/72H	700 (Algae)
EC50/72H	700 (Algae)
LC50/48 H	826 (Algae)
LC50/48 H	1,09 mg/l(Aquatic invertebrates)
EC50/48 H	1,25 mg/l(Aquatic invertebrates)
LC50/96 H	591 (Fish)
EC50/96 H	502 (Fish)
LC50/96 H	0,502 mg/l(Fish Pimephales promelas)
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL )	
128-37-0	
EC50/72H	5 120 µg/L(Algae)
EC50/96 H	758 µg/L(Algae)
LC50/96 H	384,5 µg/L(Fish)
Benzyl Acetate (IUPAC: BENZYL ACETATE )	
140-11-4	
EC50/72H	101 mg/l(Algae)
EC50/48 H	17 mg/l(Aquatic invertebrates)
LC50/96 H	4 mg/l(Fish)

## 12.2. PERSISTENCE AND DEGRADABILITY:

May cause long-term adverse effects in the aquatic environment.

## ASSESSMENT

No data available

## BIODEGRADATION AND ELIMINATION:

## 12.3. BIOACCUMULATIVE POTENTIAL

No further relevant information available. Low potential for bioaccumulation: logPow&lt;4 (log Powcalculated = 0)

INGREDIENT	CAS №	Partition Coefficient
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## 12.4. MOBILITY IN SOIL:

No data available

## GENERAL NOTES:

## 12.5. RESULTS OF PBT UN vPvB ASSESSMENT:

This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, annex XIII.

## 12.6. ENDOCRINE DISRUPTING PROPERTIES:

BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL )

**12.7. OTHER ADVERSE****EFFECTS:**

Global Warming Potential

Do not may contribute to the greenhouse effect.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. WASTE TREATMENT****METHODS:****Dispose of in accordance with local and national regulations.**

Product residues:

Do not pour residues into the municipal sewage system.

Additional warning:

None.

European waste catalogue:

Dispose of according to directives: 2008/98/ES; 94/62/ES ; 2014/955/EU; 2008/98/ES .

EUROPEAN WASTE CATALOGUE	
EWCODE	Description
07	Wastes from organic chemical processes: _____
	wastes from the MFSU of fine chemicals and chemical products not
07 07	otherwise specified
07 07 99	wastes not otherwise specified
	absorbents, filter materials (including oil filters not otherwise specified),
15 02 02*	wiping cloths, protective clothing contaminated by hazardous substances

CONTAMINATED PACKAGING:

Hand over the packaging left after use to the person responsible for the disposal of hazardous waste.

RECOMMENDATION:

Avoid release to the environment.

**SECTION 14. TRANSPORT INFORMATION:**

14.1. UN number

UN 3082

14.2. UN proper shipping name

UN 3082 Environmentally hazardous substance, liquid, N.O.S. (Allyl Heptanoate, 7-Acetyl-1,1,3,4,4,6-Hexamethylethraline)

14.3. TRANSPORT HAZARD

9

CLASS (ES):

ADR, IATA, IMDG

CLASS

DANGER LABEL:

9

14.4. PACKING GROUP:

III

ADR, IATA, IMD

14.5. ENVIRONMENTAL

Yes

HAZARDS:

MARINE POLLUTANT

14.6. SPECIAL PRECAUTIONS

Read MSDS and emergency procedures before handling

FOR USER:

14.7. TRANSPORT IN BULK

Not established.

ACCORDING TO ANNEX II OF

Packaged liquids are not considered bulk.

MARPOL 73/78 AND THE IBC

CODE:

**SECTION 15: REGULATORY INFORMATION**

15.1. SAFETY, HEALTH AND  
ENVIRONMENTAL  
REGULATIONS/LEGISLATION  
SPECIFIC FOR  
THE SUBSTANCE OR  
MIXTURE:

REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. DIRECTIVE 2006/11/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community. REGULATION (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

INFORMATION ABOUT  
LIMITATION OF USE:

Take note of Directive 94/33/EC on the protection of young people at work.  
Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

15.2. CHEMICAL SAFETY  
ASSESSMENT:

Not applicable.

**Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, mentioned in section 2 or 3:**

**Revisions are mentioned by a black stroke in left margin.**

**ABBREVIATIONS AND ACRONYMS:**

PBT:	Persistent, bioaccumulative, toxic
vPvB:	Very persistent, very bioaccumulative
EC:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
ADR:	European Agreement concerning the International Carriage of Dangerous Goods
IATA:	International Air Transport Association
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Median (50 %) lethal concentration
LD50:	Median (50%) lethal dose
EC50:	Effective concentration, 50 percent
CLP:	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and Mixtures
ECHA:	European Chemicals Agency, Helsinki ( <a href="http://echa.europa.eu/home_en.asp">http://echa.europa.eu/home_en.asp</a> )
TWA:	Time Weighted Average
IBC code:	International Bulk Chemical Code
MARPOL:	International Convention for the Prevention of Pollution From Ships
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
UN:	United Nations
ATE:	Acute Toxicity Estimate

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