

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

### 1.1. Product identifier

Product Name Calm Lime  
REACH registration number 01-2119495512-35-XXXX  
EINECS/ELINCS 284-515-8  
CAS No 8008-56-8  
Chemical name Oils, lemon

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

Recommended use Aromatic Ingredient  
Uses advised against Do not ingest as such. Avoid eye contact.

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

BONECO AG  
Espanstrasse 85  
9443 Widnau / Switzerland

### 1.4. Emergency telephone

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	Poison Control Centre +43 1 406 43 43 (24/24 ; 7/7)
Belgium	Centre anti poison/Antigif centrum 070 245 245 (24h/24h ; 7j/7j)
Denmark	Giftlinjen Bispebjerg Hospital +45 82 12 12 12 (24/24 ; 7/7)
Finland	Telephone Health Service 09 10023 (24/24 ; 7/7)
France	ORFILA (INRS) +33 (0)1 45 42 59 59 (24h/24h ; 7/7)
Germany	Verzeichnis der Giftinformationszentren der Bundesrepublik Deutschland 030/19240 (BERLIN) (24/24 ; 7/7) 06841/19240 (HOMBURG) (24/24 ; 7/7) 0228/19240 (BONN) (24/24 ; 7/7) 06131/19240 (MAINZ) (24/24 ; 7/7)
Ireland	National Poisons Information Centre +00 353 (0)1 809 2566 (24/24 ; 7/7) +00 353 (0)1 837 9964 (24/24 ; 7/7)
Italy	Istituto Superiore di Sanità (ISS) +390649906140
Netherlands	Nationaal Vergiftigingen Informatie Centrum 030-274 8888 (24/24 ; 7/7)
Portugal	Centro de informação antivenenos 808 250 143 (24/24 ; 7/7)
Spain	Servicio de Información Toxicológica + 34 91 562 04 20 (24h/365 días)
Sweden	Giftinformationscentralen 112 (24/24 ; 7/7) 08-331231 (mon-fri 9.00-17.00)
United Kingdom	National Poison Information Service (NPIS) NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 24 24 24 (UK only)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Skin sensitization	Category 1B - (H317)
Reproductive toxicity	Category 2 - (H361)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 3 - (H226)

## 2.2. Label elements



### Hazard statements

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H226	Flammable liquid and vapor
EUH208	Contains Terpinolene, l-.beta.-Bisabolene, beta-Caryophyllene, Neryl acetate May produce an allergic reaction.

### Precautionary Statements - EU (§28, 1272/2008)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331	Do NOT induce vomiting
P370 + P378	In case of fire: Use dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam to extinguish
P391	Collect spillage
P403 + P235	Store in a well-ventilated place. Keep cool

### Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment.

## 2.3. Other hazards

No Information available.

## SECTION 3: Composition/information on ingredients

Chemical name	EC No	CAS No	Weight-%	GHS Classification
Limonene	227-813-5	5989-27-5	70 - 80	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)
beta-Pinene	204-872-5	127-91-3	10 - 20	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
p-Mentha-1,4-diene	202-794-6	99-85-4	10 - 20	Skin Irrit. 3 (H316) Repr. 2 (H361) Flam. Liq. 3 (H226) Acute Tox. Oral 5 (H303) Aquatic Chronic 2 (H411)
Citral	226-394-6	5392-40-5	1.0 - 5.0	Acute Tox. Dermal 5 (H313) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317) Aquatic Acute 2 (H401)
alpha-Pinene	201-291-9	80-56-8	1.0 - 5.0	Flam. Liq. 3 (H226) Acute Tox. Oral 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

beta-Myrcene	204-622-5	123-35-3	1.0 - 5.0	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
delta-3-Carene	236-719-3	13466-78-9	0.1 - 1.0	Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. Oral 5 (H303) Acute Tox. Inhalation - dust and mist 4 (H332)
l-beta-Bisabolene	-	495-61-4	0.1 - 1.0	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304)
Terpinolene	209-578-0	586-62-9	0.1 - 1.0	Skin Sens. 1B (H317) Skin Irrit. 3 (H316) Flam. Liq. 4 (H227) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. Oral 5 (H303)
beta-Caryophyllene	201-746-1	87-44-5	0.1 - 1.0	Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413)
Neryl acetate	205-459-2	141-12-8	0.1 - 1.0	Skin Sens. 1B (H317) Aquatic Acute 2 (H401)
p-Cymene	202-796-7	99-87-6	0.1 - 1.0	Skin Irrit. 3 (H316) Repr. 2 (H361) Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Aquatic Acute 2 (H401) Acute Tox. Oral 5 (H303)
Linalool	201-134-4	78-70-6	0.1 - 1.0	Flam. Liq. 4 (H227) Acute Tox. Oral 5 (H303) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 3 (H402)
Geranyl acetate	203-341-5	105-87-3	0.1 - 1.0	Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Aquatic Chronic 3 (H412) Aquatic Acute 2 (H401)
p-Mentha-1,3-diene	202-795-1	99-86-5	0.1 - 1.0	Flam. Liq. 3 (H226) Acute Tox. Oral 4 (H302) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Skin Irrit. 3 (H316) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Geraniol	203-377-1	106-24-1	0.1 - 1.0	Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 3 (H402) Acute Tox. Oral 5 (H303)
p-Mentha-1,8-dien-7-al	218-302-8	2111-75-3	< 0.1	Acute Tox. Oral 5 (H303) Skin Irrit. 3 (H316) Skin Sens. 1B (H317)
Nerol	203-378-7	106-25-2	< 0.1	Acute Tox. Oral 5 (H303) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 2 (H401)
Farnesol	225-004-1	4602-84-0	< 0.1	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317)
Eucalyptol	207-431-5	470-82-6	< 0.1	Flam. Liq. 3 (H226) Acute Tox. Oral 5 (H303) Skin Irrit. 3 (H316) Skin Sens. 1B (H317)
Citronellal	203-376-6	106-23-0	< 0.1	Flam. Liq. 4 (H227) Acute Tox. Oral 5 (H303) Acute Tox. Dermal 5 (H313) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317) Aquatic Acute 2 (H401)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

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

Symptoms	Itching. Rashes. Hives. Difficulty in breathing. Coughing and/or wheezing. Dizziness
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### 4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing Media	Do not scatter spilled material with high pressure water streams.

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

#### **Specific hazards arising from the chemical**

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **SECTION 6: Accidental release measures**

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

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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### **6.3. Methods and material for containment and cleaning up**

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

### **6.4. Reference to other sections**

Reference to other sections	See section 8 for more information. See section 13 for more information.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Advice on safe handling	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

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

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.
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### **7.3. Specific end use(s)**

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
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## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

### Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Limonene 5989-27-5	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 30 ppm TWA: 168 mg/m3 vía dérmica*	TWA: 5 ppm TWA: 28 mg/m3 H*
beta-Pinene 127-91-3	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3	-
p-Mentha-1,4-diene 99-85-4	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
Citral 5392-40-5	-	-	-	TWA: 5 ppm vía dérmica*	-
alpha-Pinene 80-56-8	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3	-
beta-Myrcene 123-35-3	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
delta-3-Carene 13466-78-9	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3	-
Terpinolene 586-62-9	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
p-Cymene 99-87-6	-	-	TWA: 150 mg/m3 TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
p-Mentha-1,3-diene 99-86-5	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 50 ppm STEL: 280 mg/m3	-
beta-Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
alpha-Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
delta-3-Carene 13466-78-9	-	TWA: 20 ppm	-	-	-
p-Cymene 99-87-6	-	-	-	-	TWA: 25 ppm TWA: 135 mg/m3
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Limonene 5989-27-5	-	TWA: 7 ppm TWA: 40 mg/m3 STEL: 14 ppm STEL: 80 mg/m3	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 37.5 ppm STEL: 175 mg/m3	-
beta-Pinene 127-91-3	-	STEL: 40 ppm STEL: 224 mg/m3 H*	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 37.5 ppm STEL: 175 mg/m3	-
Citral 5392-40-5	-	-	STEL: 54 mg/m3 TWA: 27 mg/m3	-	TWA: 5 ppm STEL: 15 ppm
alpha-Pinene 80-56-8	-	STEL: 40 ppm STEL: 224 mg/m3 H*	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 37.5 ppm STEL: 175 mg/m3 H*	-
beta-Myrcene 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m3 STEL: 60 ppm STEL: 343.75 mg/m3	-
delta-3-Carene 13466-78-9	-	STEL: 40 ppm STEL: 224 mg/m3 H*	-	TWA: 25 ppm TWA: 140 mg/m3	-

				STEL: 37.5 ppm STEL: 175 mg/m3	
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Derived No Effect Level (DNEL) No information available.  
Predicted No Effect Concentration (PNEC) No information available.

## 8.2. Exposure controls

Personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.
Environmental exposure controls	No information available.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Yellow to greenish yellow
Odor	Characteristic
Odor threshold	No information available

Property	Values	Remarks • Method
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range	> 35 °C	No information available
Flash point	42 °C / 108 °F	CC (closed cup)
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Vapor Pressure (mm Hg @ 20°C):		No information available
Vapor density		No information available
Relative density		No information available
Specific Gravity @ 20/20 °C	0.8480-0.8580	RTM-101
Solubility(ies)		
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity		No information available

### Other information

Explosive properties	No information available
Oxidizing properties	No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No information available.
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### 10.2. Chemical stability

Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.

### **10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions	None under normal processing.
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### **10.4. Conditions to avoid**

Conditions to avoid	Heat, flames and sparks.
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### **10.5. Incompatible materials**

Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
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### **10.6. Hazardous decomposition products**

Hazardous decomposition products	None known based on information supplied.
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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Information on likely routes of exposure**

##### Product Information

Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components).
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms	Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.
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#### **Numerical measures of toxicity**

##### **Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	> 5000 mg/kg
ATEmix (dermal)	> 5000 mg/kg
ATEmix (inhalation-dust/mist)	150.00 mg/l

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No information available.
Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.
STOT - single exposure	No information available.



STOT - repeated exposure  
Aspiration hazard

No information available.  
May be fatal if swallowed and enters airways

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity

Ecotoxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

## SECTION 14: Transport information

### IATA/ICAO

UN/ID no	1197
Proper shipping name	Extracts, flavoring, liquid
Hazard class	3
Packing group	III

### IMDG/IMO

UN number	1197
UN proper shipping name	Extracts, flavoring, liquid
Transport hazard class(es)	3
Packing group	III
EmS-No	F-E, S-D

### ADR/RID

UN number	1197
UN proper shipping name	Extracts, flavoring, liquid
Transport hazard class(es)	3
Packing group	III
Tunnel restriction code	D/E

## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

##### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

##### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

##### Persistent Organic Pollutants

Not applicable

##### Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapor

H227 - Combustible liquid

H302 - Harmful if swallowed

H303 - May be harmful if swallowed

H304 - May be fatal if swallowed and enters airways

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

H332 - Harmful if inhaled

H361 - Suspected of damaging fertility or the unborn child

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

H413 - May cause long lasting harmful effects to aquatic life

#### Legend

SVHC: Substances of Very High Concern for Authorization:

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

#### Legend SECTION 8: Exposure controls and personal protection

Classification procedure	Method Used
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Calculation method
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

#### Key literature references and sources for data

Research Institute of Fragrance Materials (RIFM Database)

LOLI Database

Suppliers Information

IFRA/IOFI Labelling Manual

#### Revision date

07-Aug-2020

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet