

## Fragrance Chocolate Extra 00007139

Lemo Fun SRL



### **MATERIAL SAFETY DATA SHEET**

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.

Trade name: Fragrance Chocolate Extra 00007139

Product number: 00007139

UFI Code: 8WRM-N06H-G00C-EGN2

Version No.: EN 6

Date of update: 17.09.2025

Print: 16.10.2025

### **SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1. Product identifier:

MIXTURE IDENTIFICATION: Fragrance, flavour, auto cosmetology, industrial and home chemistry

Trade name: Fragrance Chocolate Extra 00007139

Product number: 00007139

UFI Code: 8WRM-N06H-G00C-EGN2

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:

Company: Lemo Fun SRL

Address: Nicolae Licaret 6, Bucharest, Romania

Phone: +40784943113

Email: info@shoplumanari.ro

Website: www.shoplumanari.ro

1.4. Emergency contacts:

IN CASE OF INTOXICATION:

LATVIA – State fire and rescue service: (+371) 112; (+371) 113;

The national poison information center: +371 67042468;

GERMANY – International emergency number: +49 180 2273-112. Transport Emergency phone number (24 h service): +49 621 60-43333;

UNITED KINGDOM – National Poisons Information Service (24 h service): +44 (0) 844-892-0111 (UK only);

FRANCE – INRS FRANCE: +33 (0)1 45 42 59-59;

CZECH REPUBLIC – Klinika pracovního lékařství VFN a 1. LF UK, Na Bojišti 1, 120 00, Praha 2: 224 91 92 93, 224 91 54 02 (nepřetržitě).

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

H314 – Skin Corr. 1

H318 – Eye Dam. 1

Please refer to Section 16 for details.

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):

Hazardous substances (see Section 3).

Signal word: DANGER

Hazard statements:

H412 – Harmful to aquatic life with long lasting effects.

H317 – May cause an allergic skin reaction.

H314 – Causes severe skin burns and eye damage.

H318 – Causes serious eye damage.

Precautionary statements (Prevention and Response):

P273 – Avoid release to the environment.

P261 – Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272 – Contaminated work clothing should not be allowed out of the workplace.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.

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.

### 2.3. Other hazards

No data available.

## **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:

Ingredient	%	CAS No.	EC No.	Index No.	REACH No.	Classification (CLP) – Regulation (EC) No 1272/2008
Mineral oil	<28%	8042-47-5	232-455-8	—	—	—
Benzyl Phenyl Acetate (IUPAC: BENZYL 2-PHENYLACETATE)	<5.58%	102-16-9	203-008-4	—	01-2120118759-46-xxxx	Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1: H314
2-Ethyl-3,5(6)-dimethyl pyrazine	<2.32%	13925-07-0 / 27043-05-6 / 55031-15-7	—	—	—	Acute Tox. 4 ORAL: H302
Vanillin (IUPAC: 4-HYDROXY-3-METHOXYBENZALDEHYDE)	<2.32%	121-33-5	204-465-2	—	01-2119516040-60-xxxx	Eye Irrit. 2: H319
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	<1.97%	590-86-3	209-691-5	—	01-2119474890-30-xxxx	Aquatic Chronic 2: H411; Skin Sens. 1B: H317; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTADECANE-5,17-DIONE)	<1.68%	105-95-3	203-347-8	—	01-2119976314-33-xxxx	Aquatic Chronic 3: H412
Phenyl Ethyl Acetate (IUPAC: 2-PHENYLETHYLACETATE)	<1.16%	103-45-7	203-113-5	—	01-2119976340-38-xxxx	Eye Dam. 1: H318
5-Methyl-2-Phenyl-2-Hexenal	<1.16%	21834-92-4	244-602-3	—	—	Skin Sens. 1: H317
Sulfurol (IUPAC: 2-(4-METHYL-1,3-THIAZOL-5-YL)ETHAN-1-OL)	<1.16%	137-00-8	205-272-6	—	01-2120737680-54-xxxx	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	<0.46%	100-51-6	202-859-9	603-057-00-5	01-2119492630-38-xxxx	Acute Tox. 4 ORAL: H302; Acute Tox. 4 INHALATION: H332
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	<0.4%	118-58-1	204-262-9	—	01-2119969442-31-xxxx	Skin Sens. 1B: H317; Eye Irrit. 2: H319; Aquatic Chronic 3: H412
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODODECANE)	<0.32%	58567-11-6	261-332-1	—	01-2119971571-34-xxxx	Aquatic Chronic 2: H411; Skin Sens. 1B: H317; Skin Irrit. 2: H315
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	<0.24%	1222-05-5	214-946-9	603-212-00-7	01-2119488227-29-xxxx	Aquatic Chronic 1: H410; Aquatic Acute 1: H400; M Chr=1
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	<0.12%	105-13-5 / 185532-75-6	203-273-6	—	—	Skin Sens. 1: H317; Acute Tox. 4 ORAL: H302; Skin Sens. 1B: H317; Skin Irrit. 2: H315; Eye Irrit. 2: H319

Ingredient	%	CAS No.	EC No.	Index No.	REACH No.	Classification (CLP) – Regulation (EC) No 1272/2008
Furfural (IUPAC: FURAN-2-CARBALDEHYDE)	<0.12%	98-01-1	202-627-7	—	—	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 3: H412; Acute Tox. 4 SKIN: H312; Acute Tox. 3 ORAL: H301; Carc. 2: H351; Acute Tox. 2 INHALATION: H330
Isoamyl Acetate (IUPAC: 3-METHYLBUTYL ACETATE)	<0.12%	123-92-2	204-662-3	—	01-2119548408-32-xxxx	Flam. Liq. 3: H226
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	<0.05%	100-52-7	202-860-4	605-012-00-5	01-2119455540-44-0000	Acute Tox. 4 ORAL: H302
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	<0.05%	98-86-2	202-708-7	—	01-2119533169-37-xxxx	Acute Tox. 4 ORAL: H302; Eye Irrit. 2: H319
Dimethyl Sulphide (IUPAC: (METHYLSULFANYL)METHANE)	<0.02%	75-18-3	200-846-2	—	01-2119487127-32-xxxx	Flam. Liq. 2: H225
Isoamyl Alcohol	<0.02%	123-51-3	204-633-5	—	—	Acute Tox. 4 ORAL: H302; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; Eye Dam. 1: H318

## SECTION 4 – FIRST-AID MEASURES

### 4.1. Description of 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 contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

#### Eye 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:

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: 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. See Section 13.

## 6.2. Environmental precautions:

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

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

No specific data.

## 6.4. Reference to other sections:

Sections 8 and 13.

**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.

Storage temperature: from 0 to 30 °C.

## 7.3. Specific end use(s):

See Sections 1 and 2.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1. Control parameters:

ADDITIONAL INFORMATION: Information valid at the time of review of safety data sheet.

Ingredient	CAS No.	TWA, 8 hours
Isoamyl Alcohol	123-51-3	TWA= 5* mg/m <sup>3</sup>
Dimethyl Sulphide (IUPAC: (METHYLSULFANYL)METHANE)	75-18-3	TWA= 50* mg/m <sup>3</sup>
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	TWA= 5* mg/m <sup>3</sup>
Isoamyl Acetate (IUPAC: 3-METHYLBUTYL ACETATE)	123-92-2	TWA= 270* mg/m <sup>3</sup>
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	TWA= 5* mg/m <sup>3</sup>
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	TWA= 5* mg/m <sup>3</sup>

## 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 vapours. 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.

**HAND PROTECTION:**

Chemical protective gloves according to DIN EN 374 with CE-labelling. Suitable material: nitrile, 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.

**HYGIENE MEASURES:**

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**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.

Colour: From colourless to brown.

Odour: Fragrance description.

Freezing point: < 0 °C.

Boiling point: No data available.

Explosion: Not explosive.

Combustibility: It does not burn.

Lower and upper explosive limits: Not explosive.

Flash point: It does not burn.

Autoignition temperature: No spontaneous combustion.

Decomposition temperature: No data available.

pH: Not stable.

Kinematic viscosity: No data available.

Solubility in alcohol: Soluble.

Solubility in water: Limited solubility.

Partition coefficient n-octanol/water (log mean): No data available.

Steam pressure: No data available.

Density, 20 °C: 0.9 – 1.6 g/cm<sup>3</sup>.

Relative vapour density: No data available.

Flammability: Non-flammable.

Part characteristics: No.

9.2. Other information: 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 reactions:

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 products if 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: Calculated ATEmix (LC50) = 447.65 mg/l. Ingredients of unknown toxicity >10%: 97.59%. Not classified.

Corrosion/irritation: Classified as Skin Corr. 1.

Sensitisation: Classified as Sensitisation — Skin, hazard category 1.

Carcinogenicity: Does not have any classifiable toxicity.

Mutagenicity: Does not have any classifiable toxicity.

**SKIN CONTACT:**

Acute toxicity: Calculated ATEmix (LD50) = 5 493.01 mg/kg. Ingredients of unknown toxicity >10%: 71.63%. Not classified.

Corrosion/irritation: Classified as Skin Corr. 1.

Sensitisation: Classified as Sensitisation — Skin, hazard category 1.

Carcinogenicity: Does not have any classifiable toxicity.

Mutagenicity: Does not have any classifiable toxicity.

**EYE CONTACT:**

Corrosion/irritation: Classified as Skin Corr. 1.

**INGESTION:**

Acute toxicity: Calculated ATEmix (LD50) = 4 502.06 mg/kg. Ingredients of unknown toxicity >10%: 65.12%. Not classified.

Corrosion/irritation: Classified as Skin Corr. 1.

Sensitisation: Classified as Sensitisation — Skin, hazard category 1.

Carcinogenicity: Does not have any classifiable toxicity.

Mutagenicity: Does not have any classifiable toxicity.

Reprotoxicity: Does not have any classifiable toxicity.

## Toxicological information by ingredient:

Ingredient Name	CAS No.	LD50 (oral)	LD50 (Dermal)	LC50 (Inhalation)
Benzyl Phenyl Acetate (IUPAC: BENZYL 2-PHENYLACETATE)	102-16-9	2 100 mg/kg	No data	No data
Vanillin (IUPAC: 4-HYDROXY-3-METHOXYBENZALDEHYDE)	121-33-5	3 978 mg/kg bw	2 000 mg/kg bw	No data
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	5 740 mg/kg	2 534 mg/kg	42.7 mg/l
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	105-95-3	5 000 mg/kg	5 000 mg/kg	No data
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	1.5 mL/kg bw	No data	No data
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	3 339 mg/kg	2 000 mg/kg	No data
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODODECAN E)	58567-11-6	5 000 mg/kg bw	5 000 mg/kg bw	No data
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	1222-05-5	No data	>3 250 mg/kg	No data
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	105-13-5 / 185532-75-6	1 200 mg/kg	3 000 mg/kg	No data
Furfural (IUPAC: FURAN-2-CARBALDEHYDE)	98-01-1	100 mg/kg	No data	540 mg/m <sup>3</sup> /22H
Isoamyl Acetate (IUPAC: 3-METHYLBUTYL ACETATE)	123-92-2	7 400 mg/kg	No data	No data
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	1 430 mg/kg bw	>2 000 mg/kg bw	>>5 mg/l
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	2 081 mg/kg	3 300 mg/kg	No data
Isoamyl Alcohol	123-51-3	5 726 mg/kg	3 662 mg/kg	No data

11.2. Primary irritant effect: Skin Corr. 1

11.2.1. Endocrine disrupting properties:

Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE), Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN).

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:

Acute: Does not have any classifiable toxicity.

Chronic: Classified as Hazardous to the aquatic environment — Chronic Category 3.

AQUATIC TOXICITY by ingredient:

Ingredient	CAS No.	Test / Endpoint	Result	Organism
Benzyl Phenyl Acetate (IUPAC: BENZYL 2-PHENYLACETATE)	102-16-9	EC50/72H	3.1 mg/l	Aquatic algae and cyanobacteria
Benzyl Phenyl Acetate (IUPAC: BENZYL 2-PHENYLACETATE)	102-16-9	EC50/48H	3.4 mg/l	Aquatic invertebrates
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/72H	120 mg/l	Aquatic algae and cyanobacteria
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/72H	120 mg/l	Algae
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/21days	24 mg/l	Aquatic algae and cyanobacteria
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	LC50/96H	123 mg/l	Fish
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	LC50/96H	57 mg/l	Fish
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/48H	36.79 mg/l	Fish
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/48H	36.79 mg/l	Aquatic invertebrates
Vanillin (IUPAC: 4-HYDROX Y-3-METHOXYBENZALDEH YDE)	121-33-5	EC50/21days	16 mg/l	Aquatic invertebrates
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	EC50/72H	112.78 mg/l	Aquatic algae and cyanobacteria
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	EC50/96H	137.37 mg/l	Aquatic algae and cyanobacteria
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	LC50/96H	3.25 mg/l	Fish
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	EC50/96H	3.25 mg/l	Fish
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	EC50/48H	177 mg/l	Aquatic invertebrates
Isovaleraldehyde (IUPAC: 3-METHYLBUTANAL)	590-86-3	EC50/24H	210 mg/l	Aquatic invertebrates
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	105-95-3	EC50/72H	14.579 mg/l	Aquatic algae and cyanobacteria
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	105-95-3	EC50/96H	788	Aquatic algae and cyanobacteria
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	105-95-3	LC50/96H	2.13 mg/l	Fish
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	105-95-3	LC50/48H	2.67 mg/l	Aquatic invertebrates
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	EC50/72H	500 mg/l	Algae
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	EC50/96H	76.828 mg/l	Algae
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	LC50/96H	460 mg/l	Fish
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	LC50/24H	770 mg/l	Fish
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	LC50/72H	460 mg/l	Fish
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	LC50/48H	770 mg/l	Fish

Ingredient	CAS No.	Test / Endpoint	Result	Organism
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	LC50/48H	260.415 mg/l	Aquatic invertebrates
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	EC50/48H	230 mg/l	Aquatic invertebrates
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	EC50/21days	66 mg/l	Aquatic invertebrates
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	EC50/72H	1.29 mg/l	Aquatic algae and cyanobacteria
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	LC50/96H	1.03 mg/l	Fish
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	LC50/48H	2.25 mg/l	Aquatic invertebrates
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	EC50/48H	1.16 mg/l	Aquatic invertebrates
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	EC50/24H	1.21 mg/l	Aquatic invertebrates
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	118-58-1	LC50/24H	4.34 mg/l	Aquatic invertebrates
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODODECAN E)	58567-11-6	EC50/72H	2 mg/l	Aquatic algae and cyanobacteria
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODODECAN E)	58567-11-6	LC50/96H	1.9 mg/l	Fish
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODODECAN E)	58567-11-6	EC50/48H	1.6 mg/l	Aquatic invertebrates
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	1222-05-5	EC50/72H	854 µg/L	Aquatic algae and cyanobacteria
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	1222-05-5	LC50/96H	950 µg/L	Fish
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	1222-05-5	EC50/48H	300 µg/L	Aquatic invertebrates
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	105-13-5 / 185532-75-6	EC50/72H	200 mg/l	Aquatic algae and cyanobacteria
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	105-13-5 / 185532-75-6	LC50/96H	64 mg/l	Fish
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	105-13-5 / 185532-75-6	LC50/48H	341.205 mg/l	Aquatic invertebrates
Anisyl Alcohol (IUPAC: (4-METHOXYPHENYL)METHANOL)	105-13-5 / 185532-75-6	EC50/48H	943 mg/l	Aquatic invertebrates
Furfural (IUPAC: FURAN-2-CARBALDEHYDE)	98-01-1	EC50/72H	13 mg/l	Aquatic invertebrates
Furfural (IUPAC: FURAN-2-CARBALDEHYDE)	98-01-1	EC50/24H	29 mg/l	Aquatic invertebrates
Furfural (IUPAC: FURAN-2-CARBALDEHYDE)	98-01-1	EC50/21days	3.7 mg/l	Aquatic invertebrates

Ingredient	CAS No.	Test / Endpoint	Result	Organism
Isoamyl Acetate (IUPAC: 3-METHYLBUTYL ACETATE)	123-92-2	LC50/96H	34 mg/l	Fish
Isoamyl Acetate (IUPAC: 3-METHYLBUTYL ACETATE)	123-92-2	EC50/48H	42 mg/l	Aquatic invertebrates
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	EC50/72H	33.1 mg/l	Aquatic algae and cyanobacteria
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	LC50/96H	13.8 mg/l	Fish
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	LC50/96H	1.07 mg/l	Fish
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	EC50/48H	19.7 mg/l	Aquatic invertebrates
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	EC50/24H	50 mg/l	Aquatic invertebrates
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	EC50/24H	50 mg/l	Aquatic invertebrates
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	EC50/72H	86.4 mg/l	Aquatic algae and cyanobacteria
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	LC50/96H	162 mg/l	Fish
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	EC50/96H	162 mg/l	Fish
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	EC50/48H	528 mg/l	Aquatic invertebrates
Isoamyl Alcohol	123-51-3	EC50/72H	500 mg/l	Aquatic algae and cyanobacteria
Isoamyl Alcohol	123-51-3	EC50/96H	274 mg/l	Aquatic algae and cyanobacteria
Isoamyl Alcohol	123-51-3	LC50/96H	700 mg/l	Fish
Isoamyl Alcohol	123-51-3	EC50/48H	341.21 mg/l	Aquatic invertebrates
Isoamyl Alcohol	123-51-3	EC50/24H	320 mg/l	Aquatic invertebrates

## 12.2. Persistence and degradability:

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

ASSESSMENT BIODEGRADATION AND ELIMINATION: No data available.

## 12.3. Bioaccumulative potential:

No further relevant information available. Low potential for bioaccumulation:  $\log Pow > 4$  ( $\log Pow$  calculated = 47.249).

Ingredient	CAS No.	Partition Coefficient
Mineral oil	8042-47-5	1.1480

## 12.4. Mobility in soil: No data available.

## 12.5. Results of PBT and vPvB assessment:

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

## 12.6. Endocrine disrupting properties:

Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE), Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN).

## 12.7. Other adverse effects:

Global Warming Potential: Does not 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.

EWC Code	Description
07	Wastes from organic chemical processes:
07 07	Wastes from the manufacture, formulation, supply and use (MFSU) of fine chemicals and chemical products not otherwise specified.
07 07 99	Wastes not otherwise specified.
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), 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.

14.3. Transport hazard class(es) — ADR, IATA, IMDG:

Class: 9

Danger label: 9

14.4. Packing group — ADR, IATA, IMDG: III

14.5. Environmental hazards:

Marine pollutant: Yes

14.6. Special precautions for user:

Read MSDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not established. Packaged liquids are not considered bulk.

**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.

Directive 2008/98/EC of the European Parliament and of the Council on waste and on the repeal of certain Directives.

Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste.

Commission Decision 2014/955/EU amending Decision 2000/532/EC on the list of wastes pursuant to Directive of the European Parliament and of the Council 2008/98/EC (EU Waste Catalogue).

**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.

**SECTION 16 – OTHER INFORMATION**

Full text of 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 the 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 ([http://echa.europa.eu/home\\_en.asp](http://echa.europa.eu/home_en.asp)).

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.

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.

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