Fragrance Kyoto Blossom 00015707

Lemo Fun SRL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

IDENTIFICATION OF THE MIXTURE:

Fragrance, flavour, automotive cosmetics, industry and household chemicals

TRADE NAME:

Fragrance Kyoto Blossom 00015707

PRODUCT NUMBER:

00015707

UFI Code: WHGD-711T-R00K-2V81

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

RECOMMENDED USE:

Aromatic ingredient for household chemicals and cosmetics. Intended for manufacturing use only, not for direct consumption as such.

USES ADVISED AGAINST:

Do not use in foodstuffs.

1.3. Details of the supplier of the safety data sheet

SUPPLIER:

Lemo Fun SRL

ADDRESS:

Nicolae Licaret 6, Bucharest, Romania

PHONE:

+40784943113

EMAIL:

info@shoplumanari.ro

WEBSITE:

www.shoplumanari.ro

1.4. Emergency telephone number

IN CASE OF INTOXICATION:

LATVIA - State Fire and Rescue Service: (+371) 112; (+371) 113;

National Poison Information Centre: +371 67042468;

GERMANY - International emergency number: +49 180 2273-112.

Transport Emergency Number (24 h service), Phone: +49 621 60-43333;

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

FRANCE - INRS FRANCE: Phone: +33 (0)1 45 42 59-59.

FOR OTHER EU COUNTRIES please consult: 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

Toxic to aquatic life with long lasting effects: H411

May cause an allergic skin reaction: H317

Causes skin irritation: H315

Harmful if inhaled: H332

Causes serious eye irritation: H319

2.2. Label elements

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

Hazard pictograms: GHS07 (Exclamation mark), GHS09 (Environment)

Signal word: Warning

Hazard statements:

H411 – Toxic to aquatic life with long lasting effects.

H317 – May cause an allergic skin reaction.

H315 – Causes skin irritation.

H332 – Harmful if inhaled.

H319 – Causes serious eye irritation.

Precautionary statements:

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.

P264 – Wash thoroughly after handling.

P271 – Use only outdoors or in a well-ventilated area.

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 substances.

3.2. Mixtures

Mixture of natural and synthetic aromatic ingredients.

Hazardous ingredients:

Ingredient	%	CAS No.	EC No.	Index No.	REACH No.	Classification (CLP) Regulation (EC) No. 1272/2008
Benzyl Benzoate (IUPAC: BENZYL BENZOATE)	<60%	120-51-4	204-402-9	—	01-2119976371-33-xxxx	Aquatic Chronic 2: H411 Acute Tox. 4 ORAL: H302 Aquatic Acute 1: H400
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL)	<6%	60-12-8	200-456-2	—	01-2119977069-23-xxxx	Acute Tox. 4 ORAL: H302 Eye Irrit. 2: H319
Ethyl Caprylate (IUPAC: ETHYL OCTANOATE)	<4%	106-32-1	203-385-5	—	01-2120765584-44-xxxx	Aquatic Chronic 2: H411
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE)	<4%	121-32-4	204-464-7	—	—	Eye Irrit. 2: H319
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	<3%	78-70-6	201-134-4	603-235-00-2	01-2119474016-42-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	<2.8%	106-22-9	203-375-0	—	01-2119453995-23-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Methyl Ionone Gamma (Gamma-Methylionone-Isonaline 70) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE)	<2.6%	127-51-5 / 1335-46-2	215-635-0	—	01-2119471851-35-xxxx	Aquatic Chronic 2: H411 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Florol (IUPAC: 2-(ISOBUTYL)-4-HYDROXY-4-METHYL TETRAHYDROPYRAN)	<2.04%	63500-71-0	405-040-6	—	—	Eye Irrit. 2: H319
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	<1.2%	5989-27-5 / 8028-48-6	227-813-5	601-096-00-2	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
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE)	<1%	1335-46-2 / 127-51-5	204-846-3	—	01-2120138569-45-xxxx	Aquatic Chronic 2: H411
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	<0.8%	115-95-7	204-116-4	—	01-2119454789-19-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	<0.6%	100-52-7	202-860-4	605-012-00-5	01-2119455540-44-0000	Acute Tox. 4 ORAL: H302
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	<0.6%	100-51-6	202-859-9	603-057-00-5	01-2119492630-38-xxxx	Acute Tox. 4 ORAL: H302 Acute Tox. 4 INHALATION: H332

Ingredient	%	CAS No.	EC No.	Index No.	REACH No.	Classification (CLP) Regulation (EC) No. 1272/2008
Bacdanol (Sandranol) (IUPAC: (E)-2-ETHYL-4-(2,2,3-TRIMETHYL-1-CYCLOPENT-3-ENYL)BUT-2-EN-1-OL)	<0.6%	28219-61-6 / 106185-75-5	248-908-8	—	—	Aquatic Chronic 1: H410 Eye Irrit. 2: H319 M Chr=1
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL)	<0.51%	1205-17-0	214-881-6	—	01-2120740119-58-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Repr. 2: H361
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL)	<0.4%	5392-40-5	226-394-6	—	01-2119462829-23-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL)	<0.4%	104-54-1	203-212-3	—	—	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Skin Irrit. 2: H315
Orange Oil 100% pure and natural (IUPAC: (2Z,6E)-2,6-DIMETHYL-10-METHYLIDENEDODECA-2,6,11-TRIENAL)	<0.4%	8008-57-9 / 8028-48-6	232-433-8	—	01-2119493353-35-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Flam. Liq. 3: H226 Skin Irrit. 2: H315 Asp. Tox. 1: H304
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL)	<0.2%	106-24-1	203-377-1	603-241-00-5	01-2119552430-49-xxxx	Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Dam. 1: H318
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE)	<0.2%	105-87-3	203-341-5	—	01-2119973480-35-xxxx	Skin Sens. 1: H317 Skin Irrit. 2: H315 Aquatic Chronic 3: H412
Caraway seeds oil	<0.2%	8000-42-8	616-773-8	—	—	Aquatic Chronic 1: H410 Skin Sens. 1: H317 Acute Tox. 4 ORAL: H302 Skin Irrit. 2: H315 Aquatic Acute 1: H400 Asp. Tox. 1: H304
Benzyl Acetate (IUPAC: BENZYL ACETATE)	<0.2%	140-11-4	205-399-7	—	01-2119638272-42-xxxx	Aquatic Chronic 3: H412
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL]PROPANAL)	<0.16%	103-95-7	203-161-7	—	01-2119970582-32-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Chronic 3: H412 M Chr=1
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL)	<0.12%	97-53-0	202-589-1	—	01-2119971802-33-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Asp. Tox. 1: H304
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	<0.01%	128-37-0	204-881-4	—	01-2119555270-46-0000	Aquatic Chronic 1: H410 M Chr=1

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Immediately move the affected person to fresh air. Seek medical attention if symptoms persist.

Ingestion:

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

Skin contact:

Immediately remove contaminated clothing and wash skin with water and soap. Seek medical attention if symptoms are severe or persist after washing.

Eye contact:

Remove all contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue rinsing for at least 15 minutes. Seek medical attention if symptoms persist.

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

Persons suffering from asthma, eczema or skin problems should avoid contact, including skin 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 physician: No specific recommendations.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Extinguish with: 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 near the 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 appropriate protective equipment including gloves, safety goggles/face shield, respiratory mask, boots, clothing or apron. No smoking, sparks, flames or other ignition sources near spills.

6.2. Environmental precautions

Environmental precautions:

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

6.3. Methods and material for containment and cleaning up

Cleaning methods:

Keep flammable materials away from the spill. Eliminate all ignition sources. Ensure adequate ventilation. Contain and absorb spilled material with sand, earth or other non-combustible materials. The contaminated absorbent may present the same hazard as the spilled material. Collect and place in suitable disposal containers and seal securely. Label waste containers and contaminated materials and remove from the area as quickly as possible. Wash thoroughly after spilling.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for use:

Wear protective clothing as described in Section 8 of this Safety Data Sheet. Avoid contact with skin, eyes and clothing.

General occupational hygiene advice:

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 containers in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flames. Protect from frost and direct sunlight.

7.3. Specific end use(s)

For manufacturing use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits: No occupational exposure limits have been established for this product. Derived No-Effect Levels (DNELs) have not been established for this product. Predicted No-Effect Concentrations (PNECs) have not been determined for this product.

Occupational exposure limits:

Ingredient	CAS No.	TWA, 8 hours
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	TWA= 5* mg/m³
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	TWA= 5* mg/m³
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	TWA= 5* mg/m³

SECTION 8 (continued): EXPOSURE CONTROLS/PERSONAL PROTECTION

* Republic of Latvia Cabinet Regulation No. 325 Adopted 15 May 2007 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces

ADDITIONAL INFORMATION:

Information valid at the time of review of the Safety Data Sheet.

8.2. Exposure controls

TECHNICAL MEASURES:

Maintain the usual precautions for working with chemicals. See Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

HYGIENE MEASURES:

Do not eat, drink or smoke when using the product.

GENERAL PROTECTIVE AND HYGIENE MEASURES:

Avoid contact with eyes. Wash hands during work breaks and at the end of the shift. Provide a 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 respiratory protective equipment. Wear appropriate respiratory protection in case of large-scale exposure. Suitable face/respiratory protection according to EN 140.

BODY PROTECTION:

Protective clothing. Emergency showers should be available in immediate proximity to potential exposure. Wear appropriate protective clothing, overalls or suits and similar boots in accordance with EN 365/367.

EYE PROTECTION:

Wear appropriate safety goggles with side protection in accordance with EN 166 if there is a risk of possible eye contact. Emergency eye wash fountains should be available in immediate proximity to potential exposure.

HYGIENE MEASURES:

No specific hygiene measures are recommended, but good personal hygiene practices should always be followed when working with chemical products.

HAND PROTECTION:

Chemical protective gloves according to DIN EN 374 with CE marking. Suitable material – Nitrile. 0.13 mm. Permeation breakthrough time – 1 hour. Check the condition of protective gloves after each use for damage such as holes, cuts or tears. Do not wear protective gloves longer than necessary. Apply skin cleansers and skin cosmetics after wearing gloves. Gloves for mechanical protection do not provide protection against chemicals.

RISK MANAGEMENT MEASURES:

Operators must be adequately trained. The workplace should be regularly inspected by competent personnel, e.g. the safety officer.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property	Value
Appearance	Homogeneous, transparent liquid; opalescence is permitted.
Colour	Colourless to brown
Odour	Fragrance description
Refractive index, 20 °C	0.9 – 1.8
Density, 20 °C	0.9 – 1.6 g/cm³
Flash point	> 61 °C
Melting point/melting range	< 0 °C
Boiling point	No data available
Freezing point	No data available
Decomposition temperature	No data available
Solubility in water	Limited solubility
Solubility in alcohol	Soluble

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:

The product is stable under the conditions of use described in Section 7.

10.3. Possibility of hazardous reactions:

Under normal conditions of use there is no information on hazardous reactions.

10.4. Conditions to avoid:

Contact with incompatible materials.

10.5. Incompatible materials:

Strong acids, strong bases, strong oxidising agents.

10.6. Hazardous decomposition products:

No decomposition products are expected under normal storage and handling conditions. Hazardous gases may form in the event of fire.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

INHALATION:

Acute toxicity: Calculated ATEmix (LC50) = 17.59 mg/l. Components of unknown toxicity >10%: 90.07%. 10 < ATEmix > 20 mg/l. Classified as Acute toxicity, Hazard Category 4.

Corrosion/Irritation: Not classified – based on the available data, the classification criteria are not met.

Sensitisation: Contains no substances classified as inhalation allergens. Not classified – based on the available data, the classification criteria are not met.

Carcinogenicity: Contains no carcinogenic substances. Not classified – based on the available data, the classification criteria are not met.

Mutagenicity: Contains no mutagenic substances. Not classified – based on the available data, the classification criteria are not met.

SKIN CONTACT:

Acute toxicity: Calculated ATEmix (LD50) = 5,922.65 mg/kg. Components of unknown toxicity >10%: 74.64%. Not classified.

Corrosion/Irritation: Not classified – based on the available data, the classification criteria are not met.

Sensitisation: Contains no substances classified as inhalation allergens. Not classified – based on the available data, the classification criteria are not met.

Carcinogenicity: Contains no carcinogenic substances. Not classified – based on the available data, the classification criteria are not met.

Mutagenicity: Contains no mutagenic substances. Not classified – based on the available data, the classification criteria are not met.

EYE CONTACT:

Corrosion/Irritation: Classified as Not Classified.

INGESTION:

Acute toxicity: Calculated ATEmix (LD50) = 2,462.84 mg/kg. Components of unknown toxicity >10%: 11.51%. Not classified.

Corrosion/Irritation: May cause nausea, vomiting and diarrhoea.

Sensitisation: Contains no carcinogenic substances. Not classified – based on the available data, the classification criteria are not met.

Carcinogenicity: Contains no carcinogenic substances. Not classified – based on the available data, the classification criteria are not met.

Mutagenicity: Contains no mutagenic substances. Not classified – based on the available data, the classification criteria are not met.

Reproductive toxicity: Not expected to be reproductively toxic. Not classified – based on the available data, the classification criteria are not met. Fertility: Not classified – based on the available data, the classification criteria are not met.

Toxicological information for individual ingredients:

Ingredient	CAS No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Benzyl Benzoate (IUPAC: BENZYL BENZOATE)	120-51-4	2 000 mg/kg	non-toxic	non-toxic
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL)	60-12-8	1 790 mg/kg	non-toxic	non-toxic
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE)	121-32-4	non-toxic	non-toxic	non-toxic
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	78-70-6	non-toxic	non-toxic	non-toxic
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	106-22-9	non-toxic	non-toxic	non-toxic
Methyl Ionone Gamma (Gamma-Methylionone-Isonaline 70) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE)	127-51-5 / 1335-46-2	non-toxic	non-toxic	non-toxic

Ingredient	CAS No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Florol (IUPAC: 2-(ISOBUTYL)-4-HYDROXY-4-METHYL TETRAHYDROPYRAN)	63500-71-0	non-toxic	non-toxic	non-toxic
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	5989-27-5 / 8028-48-6	non-toxic	non-toxic	non-toxic
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE)	1335-46-2 / 127-51-5	non-toxic	non-toxic	non-toxic
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	115-95-7	non-toxic	non-toxic	non-toxic
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE)	100-52-7	1 430 mg/kg bw	non-toxic	non-toxic
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	1.5 mL/kg bw	non-toxic	No data
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL)	1205-17-0	non-toxic	non-toxic	non-toxic
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL)	5392-40-5	non-toxic	non-toxic	non-toxic
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL)	104-54-1	non-toxic	non-toxic	non-toxic
Orange Oil 100% pure and natural (IUPAC: (2Z,6E)-2,6-DIMETHYL-10-METHYLIDENEDODECA-2,6,11-TRIENAL)	8008-57-9 / 8028-48-6	non-toxic	non-toxic	non-toxic
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL)	106-24-1	non-toxic	non-toxic	non-toxic
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE)	105-87-3	non-toxic	non-toxic	non-toxic
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	non-toxic	non-toxic	non-toxic
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL]PROPANAL)	103-95-7	non-toxic	non-toxic	non-toxic
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL)	97-53-0	non-toxic	non-toxic	non-toxic
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	128-37-0	non-toxic	non-toxic	non-toxic

SECTION 11 (continued): TOXICOLOGICAL INFORMATION

11.2. Primary irritant effect

11.2.1. Endocrine disrupting properties: BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)

11.3. Sensitisation:

May have a sensitising effect.

11.4. Chronic effects:

No chronic effects known.

11.5. Target organs:

No adverse health effects on target organs are expected from the finished product.

11.6. Carcinogenicity:

The finished product is not expected to be carcinogenic.

11.7. Mutagenicity:

The finished product is not expected to be mutagenic.

11.8. Reproductive toxicity:

The finished product is not expected to be reproductively toxic.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity – Toxic to aquatic organisms: (M × 10 × Chronic Category 1) + Chronic Category 2 ≥ 25% = 76.24 ≥ 25 ⇒ Hazardous to the aquatic environment — Chronic Category 2

Ingredient toxicity – Aquatic toxicity data:

Ingredient / CAS No.	Endpoint	Value	Test organism
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	EC50/72H	311	Aquatic algae and cyanobacteria
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	LC50/48H	7.77 mg/l	Aquatic invertebrates
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	EC50/48H	3.09 mg/l	Aquatic invertebrates
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	LC50/24H	11 mg/l	Aquatic invertebrates
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	LC50/96H	2.32 mg/l	Fish
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	EC50/24H	4.26 mg/l	Fish
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL) / 60-12-8	EC50/72H	895 mg/l	Algae
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL) / 60-12-8	EC50/48H	287.17 mg/l	Aquatic invertebrates
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL) / 60-12-8	LC50/96H	339.5 mg/l	Fish
Ethyl Caprylate (IUPAC: ETHYL OCTANOATE) / 106-32-1	EC50/72H	2.83 mg/l	Algae
Ethyl Caprylate (IUPAC: ETHYL OCTANOATE) / 106-32-1	EC50/48H	7.9 mg/l	Aquatic invertebrates
Ethyl Caprylate (IUPAC: ETHYL OCTANOATE) / 106-32-1	LC50/96H	1.38 mg/l	Fish
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE) / 121-32-4	EC50/72H	100 mg/l	Aquatic algae and cyanobacteria
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE) / 121-32-4	EC50/48H	26.2 mg/l	Aquatic invertebrates
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE) / 121-32-4	EC50/21 days	63 mg/l	Aquatic invertebrates
Ethyl Vanillin (IUPAC: 3-ETHOXY-4-HYDROXYBENZALDEHYDE) / 121-32-4	LC50/96H	87.6 mg/l	Fish
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	EC50/96H	122.5 mg/l	Algae
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	EC50/96H	59 mg/l	Aquatic invertebrates
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	LC50/96H	27.8 mg/l	Fish
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	LC50/72H	27.8 mg/l	Fish
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	LC50/48H	27.8 mg/l	Fish

Ingredient / CAS No.	Endpoint	Value	Test organism
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	EC50/72H	2.4 mg/l	Aquatic algae and cyanobacteria
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	EC50/72H	2.4 mg/l	Algae
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	EC50/48H	17.48 mg/l	Aquatic invertebrates
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	EC50/48H	17.48 mg/l	Aquatic invertebrates
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	LC50/96H	14.66 mg/l	Fish
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	LC50/96H	14.66 mg/l	Fish
Methyl Ionone Gamma (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 127-51-5 1335-46-2	EC50/72H	9.42 mg/l	Aquatic algae and cyanobacteria
Methyl Ionone Gamma (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 127-51-5 1335-46-2	EC50/48H	3.7 mg/l	Aquatic invertebrates
Methyl Ionone Gamma (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 127-51-5 1335-46-2	LC50/96H	2.3 mg/l	Fish
Florol (IUPAC: 2-(ISOBUTYL)-4-HYDROXY-4-METHYL TETRAHYDROPYRAN) / 63500-71-0	EC50/72H	100 mg/l	Algae
Florol (IUPAC: 2-(ISOBUTYL)-4-HYDROXY-4-METHYL TETRAHYDROPYRAN) / 63500-71-0	EC50/48H	320 mg/l	Aquatic invertebrates
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 cyanobacteria
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/48H	250	Algae
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/48H	250 mg/l	Aquatic algae and cyanobacteria
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/48H	510 mg/l	Aquatic invertebrates
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/48H	408.5 mg/l	Aquatic invertebrates
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/24H	840 mg/l	Aquatic invertebrates
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/21 days	188 mg/l	Aquatic invertebrates
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	LC50/96H	720 mg/l	Fish
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/96H	702 mg/l	Fish
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	LC50/96H	590 mg/l	Fish

Ingredient / CAS No.	Endpoint	Value	Test organism
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE) / 5989-27-5 8028-48-6	EC50/96H	695	Fish
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 1335-46-2 127-51-5	EC50/72H	100 mg/l	Aquatic algae and cyanobacteria
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 1335-46-2 127-51-5	LC50/48H	9 mg/l	Aquatic invertebrates
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 1335-46-2 127-51-5	LC50/96H	10.9 mg/l	Fish
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 1335-46-2 127-51-5	EC50/96H	1.428 mg/l	Fish
Methyl Ionone Alpha 95% (Isoraldeine 95) (IUPAC: (3E)-3-METHYL-4-(2,6,6-TRIMETHYLCYCLOHEX-2-EN-1-YL)BUT-3-EN-2-ONE) / 1335-46-2 127-51-5	EC50/72H	4.7 mg/l	Fish
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/96H	88.3 mg/l	Aquatic algae and cyanobacteria
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/48H	59 mg/l	Aquatic invertebrates
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/24H	71 mg/l	Aquatic invertebrates
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/24H	71 mg/l	Aquatic invertebrates
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	LC50/96H	11 mg/l	Fish
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	LC50/96H	11 mg/l	Fish
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	LC50/	11.14 mg/l	Fish
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/48H	59 mg/l	Fish
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	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
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE) / 100-52-7	LC50/96H	13.8 mg/l	Fish

Ingredient / CAS No.	Endpoint	Value	Test organism
Benzoic Aldehyde (Benzaldehyde) (IUPAC: BENZALDEHYDE) / 100-52-7	LC50/96H	1.07 mg/l	Fish
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	LC50/48H	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	EC50/21 days	66 mg/l	Aquatic invertebrates
Benzyl Alcohol (IUPAC: PHENYLMETHANOL) / 100-51-6	LC50/96H	460 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
Benzyl Alcohol (IUPAC: PHENYLMETHANOL) / 100-51-6	LC50/24H	770 mg/l	Fish
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL) / 1205-17-0	EC50/72H	14 mg/l	Aquatic algae and cyanobacteria
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL) / 1205-17-0	EC50/48H	8.3 mg/l	Aquatic invertebrates
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL) / 1205-17-0	EC50/24H	17 mg/l	Aquatic invertebrates
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL) / 5392-40-5	EC50/72H	103.8 mg/l	Algae
Citral (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIENAL) / 5392-40-5	LC50/96H	6.78 mg/l	Fish
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL) / 104-54-1	EC50/72H	129.34 mg/l	Aquatic algae and cyanobacteria
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL) / 104-54-1	EC50/96H	59.906 mg/l	Aquatic algae and cyanobacteria
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL) / 104-54-1	LC50/48H	85.398 mg/l	Aquatic invertebrates
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL) / 104-54-1	EC50/48H	109.287 mg/l	Aquatic invertebrates
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL) / 104-54-1	LC50/96H	9 mg/l	Fish
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL) / 106-24-1	LC50/96H	22 mg/l	Zebrafish
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL) / 106-24-1	EC50/72H	13.1 mg/l	Desmodesmus subspicatus
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL) / 106-24-1	EC50/48H	10.8 mg/l	Daphnia magna
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	EC50/72H	3.72 mg/l	Algae
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	EC50/72H	3.72 mg/l	Aquatic algae and cyanobacteria
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	EC50/48H	14.1 mg/l	Aquatic invertebrates

Ingredient / CAS No.	Endpoint	Value	Test organism
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	EC50/48H	14.1 mg/l	Aquatic invertebrates
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	LC50/96H	68.12 mg/l	Fish
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE) / 105-87-3	LC50/96H	68.12 mg/l	Fish
Benzyl Acetate (IUPAC: BENZYL ACETATE) / 140-11-4	EC50/72H	101 mg/l	Algae
Benzyl Acetate (IUPAC: BENZYL ACETATE) / 140-11-4	EC50/48H	17 mg/l	Aquatic invertebrates
Benzyl Acetate (IUPAC: BENZYL ACETATE) / 140-11-4	LC50/96H	4 mg/l	Fish
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL] PROPANAL) / 103-95-7	EC50/72H	2.7 mg/l	Algae
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL] PROPANAL) / 103-95-7	EC50/96H	2.7 mg/l	Algae
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL] PROPANAL) / 103-95-7	EC50/48H	1.4 mg/l	Aquatic invertebrates
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL] PROPANAL) / 103-95-7	LC50/96H	1.092 mg/l	Fish
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	EC50/72H	23 mg/l	Algae
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	EC50/48H	1.05 mg/l	Aquatic invertebrates
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	LC50/96H	13 mg/l	Fish
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	LC50/72H	13 mg/l	Fish
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	LC50/48H	13 mg/l	Fish
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL) / 97-53-0	LC50/24H	13 mg/l	Fish
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL) / 128-37-0	EC50/72H	5 120 µg/L	Algae
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL) / 128-37-0	EC50/96H	758 µg/L	Algae
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL) / 128-37-0	LC50/96H	384.5 µg/L	Fish

SECTION 12 (continued): ECOLOGICAL INFORMATION

12.2. Persistence and degradability:

May have long-term harmful effects on the aquatic environment.

Assessment of biodegradation and elimination: No data available.

12.3. Bioaccumulative potential:

No further relevant information available. Low potential for bioaccumulation: (log Pow calculated = 0)

12.4. Mobility in soil:

The product is partially water-soluble. Adsorbs to soil and has low mobility.

General notes: Wastewater containing this product must not be discharged into water bodies without prior treatment.

12.5. Results of PBT and vPvB assessment:

This mixture contains no substances that meet the PBT or vPvB criteria of Annex XIII of the REACH Regulation.

12.6. Endocrine disrupting properties:

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

12.7. Other adverse effects:

Global warming potential: Cannot 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 dispose of empty packages with household waste. Containers may be recycled. Treat product residues, impregnated cloths and non-empty packaging as special waste.

Additional warning:

None.

European waste catalogue:

Hazardous waste pursuant to Directive 91/689/EEC – dispose of under a waste code according to Commission Decision 2000/532/EC at an official depot for chemical waste.

Local legislation:

Disposal should be carried out in accordance with applicable regional, national and local laws and regulations. Local regulations may be stricter than regional or national requirements and must be complied with.

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

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

Hazard label: 9

14.4. Packing group:

ADR, IATA, IMDG: III

14.5. Environmental hazards:

MARINE POLLUTANT: Yes

14.6. Special precautions for user:

Read the Safety Data Sheet and emergency procedures before handling.

14.7. Maritime transport in bulk according to IMO instruments:

Not applicable. Packaged liquids are not considered bulk liquids.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific to 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.

COMMISSION REGULATION (EU) No. 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on REACH.

INFORMATION ON USE RESTRICTIONS:

Observe Directive 94/33/EC on the protection of young people at work.

Directive 92/85/EC on the safety and health at work of pregnant workers must be observed.

15.2. Chemical safety assessment:

Not applicable.

SECTION 16: OTHER INFORMATION

Full text of classifications referred to in Sections 2 or 3, including the hazard class, hazard symbols and hazard statements:

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage. (not applicable if H314 is also assigned)

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H361 – Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H400 – Very toxic 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.

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

P264 – Wash thoroughly after handling.

P271 – Use only outdoors or in a well-ventilated area.

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

P273 – Avoid release to the environment.

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

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P501 – Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulation.

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 by Road

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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)

TWA: Time-weighted average

IBC code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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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