



Specification

Product Name: Violet Flavour Drop
Product Code: SPEC0139

Description:

Food Flavouring Drops are premium quality water soluble intense flavours which provide an exceptionally efficient method of adding flavour. They are a highly concentrated, versatile, multi-use product for both food and liquid. They should be used sparingly; 1-2 ml is ample to flavour 1 litre of base liquid. Each 30ml bottle contains approximately 800 drops. Food Flavouring Drops disperse well in most foods and drinks. They are ideal for flavouring cakes, icings, fondants, ice cream, sorbets, cupcakes, pastry, salads, sauces, frostings, ganache, desserts, cocktails, drinks, cream, wine, beer, spirits, sweets and more. They can also be used to enhance the flavour of a dish, without changing the texture of the original product.

Odour & Flavour:

Characteristic. Conforms to standard.

Ingredients:

Flavouring preparations, Natural flavouring substances, Propylene Glycol (E1520).

Dietary Information:

Suitable for Vegans, Ovo-lacto Vegetarians & Vegetarians, Non-GMO, Gluten Free, Allergen Free, Non-Irradiated, No Added Sugar.

Nutritional Information:

Energy: 1673.6kj/400kcal (Based on 100g).

Storage:

Store in cool, dry conditions not in direct sunlight.

Packaging:

30ml	5060341114687
500ml	5056191011054
1 Litre	5056191006876
5 Litre	5056191006883

Country of Origin:

United Kingdom.

Shelf Life:

24 months if stored as above and unopened.

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**Density (g/ml) at 20°C:**

1.015 – 1.035

Refractive Index at 20°C:

1.430 – 1.450

Flashpoint °C (closed cup):

93

Labelling according to Regulation (EC) No. 1334/2008:

Flavouring

Hazards:

Non hazardous

Allergen Declaration

Allergen	Contains (Y/N)
Cereals containing Gluten	N
Crustaceans	N
Eggs	N
Fish	N
Peanuts	N
Soybeans	N
Milk	N
Nuts	N
Celery	N
Mustard	N
Sesame Seeds	N
Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide)	N
Lupin	N
Molluscs	N

Material Safety Data Sheet**1: Identification of the substance/mixture and of the company/undertaking:****1.1 – Product identifier**

Product form: Mixture,

Product name: Violet Flavour Drop.

1.2 – Relevant identified uses of the substance or mixture and uses advised against:**1.2.1: Relevant identified uses:** use of the substance/mixture: Food and/or beverage flavouring.**1.2.2: Uses advised against:** Restrictions on use: Not for direct consumption.**1.3 – Details of the supplier of the safety data sheet:**

Company: Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246

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906247,

1.4 - Emergency Telephone Contact: 07387 330318. <https://specialingredients.co.uk/pages/contact>**2: Hazards Identification:****2.1 – Classification of the substance or mixture:**

Classification according to Regulation (EC) No. 1272/2008 (CLP): Not classified.

Adverse psychochemical, human health and environmental effects: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 – Label elements:

Labelling according to Regulation (EC) no. 1272/2008 [CLP]: Not classified.

EUH Statements

- EUH208 – Contains Linalool (78-70-6). May produce an allergic reaction.
- EUH210 – Safety data sheet available on request.
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2.3 – Other hazards:Contains no PBT/vPvB substances $\geq 0.1\%$ 1907/2006 amended by Regulation (EU) 2020/878.

Component	
2-phenylethanol (60-12-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Propylene glycol (57-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Alpha-ionone (127-41-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzyl acetate (140-11-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

3: Composition/Information on Ingredients:**3.1 – Substances:**

Not applicable.

**3.2 – Mixtures:**

Name	Product identifier	%	Classification according to Regulation (EC) no. 1272/2008 (CLP)
Benzyl alcohol	CAS-NO.: 100-51-6 EC-No.: 202-859-9	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation: vapour), H332
2-phenylethanol	CAS-NO.: 60-12-8 EC-No.: 200-456-2	1 – 5	Acute Tox. 4 (Oral), H302
Linalool	CAS-NO.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2	< 1	Skin Sens. 1B, H317

Full Text of H- and EUH statements: see section 15.

4: First Aid Measures:**4.1 – Description of First Aid Measures:**

First Aid Measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First Aid Measures after skin contact: Wash skin with plenty of water.

First Aid Measures after eye contact: Rinse cautiously with water as a precaution.

First Aid Measures after ingestion: Call a poison centre or a doctor if you feel unwell.

4.2 – Most important symptoms and effect, both acute and delayed:

No additional information available.

4.3 – Indication of any immediate medical attention and special treatment needed:

Treat Symptomatically.

5: Firefighting Measures:**5.1 - Extinguishing media:**

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

5.2 – Special hazards arising from the substance or mixture:

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

5.3 – Advice for firefighters:

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

Self-contained breathing apparatus, Complete protective clothing.

6: Accidental Release Measures:**6.1 – Personal precautions, protective equipment and emergency procedures:****6.1.1 – For non-emergency personnel:**

Emergency Procedures: Ventilate spillage area.

6.1.2 – For emergency responders:

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

6.2 – Environmental Precautions:

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Avoid release to the environment.

6.3 – Methods and material for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 – Reference to other sections:

For further information refer to section 13.

7: Handling and Storage:

7.1 – Precautions for safe handling:

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 – Conditions for safe storage, including any incompatibilities:

Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.

7.3 – Specific end use(s):

No additional information available.

8: Exposure Controls/ Personal Protection:

8.1 – Control parameters:

8.1.1 National occupational exposure and biological limit values

Propylene glycol (57-55-6)	
United Kingdom – Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA) [1]	474 mg/m ³ 10 mg/m ³
WEL TWA (OEL TWA) [2]	150 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Benzyl acetate (140-11-4)	
Belgium – Occupational Exposure Limits	
OEL TWA	62 mg/m ³
OEL TWA [ppm]	10 ppm
USA – ACGIH – Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	10 ppm

8.1.2 Recommended monitoring procedures

No additional information available.

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8.1.3 Air contaminants found

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 – Exposure controls:**8.2.1 Appropriate engineering controls**

Ensure good ventilation of the work station.

8.2.2 Person protective equipment

Personal protective equipment symbol(s)

**8.2.2.1 Eye and face protection**

Eye protection			
Safety Glasses			
Type	Field application	Characteristics	Standard
Safety Goggles	Droplet, Dust	Clear, Plastic	EN 166 1B3

8.2.2.2 Skin protection

Skin and body protection	
Type	Standard
Lab Coat	ASTM F903

Hand Protection					
Protective gloves against chemicals (EN 374)					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	5 (> 240 minutes)	0.20-0.30	2 (< 1.5)	EN 420, EN 16523-1, EN ISO 374-1, EN 374-2, EN 374-4, EN 374-5

8.2.2.3 Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory Protection			
Device	Filter type	Condition	Standard
Powered Air-purifying Respirator (PAPR)	Filter AX (brown), Filter P (white), Type A – High Boiling (>65 °C) organic compounds	Protection for liquid particles, Protection for solid particles, Short term exposure	EN 12941

**8.2.2.4 Thermal hazards**

No additional information available.

8.2.3 Environmental exposure controls

Avoid release to the environment.

9: Physical and Chemical Properties:**9.1 – Information on basic physical and chemical properties:**

Physical state: Liquid

Colour: Almost colourless

Odour: Characteristic. Conforms to standard.

Odour threshold: Not available

Melting point: Not applicable

Freezing point: Not available

Boiling point: Not available

Flammability: Not applicable

Explosive limits: Not available.

Lower explosion limit: Not available

Upper explosion limit: Not available

Flash point: > 60°C

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not available

Viscosity, kinematic: Not available

Solubility: Not available

Partition coefficient n-octanol/water (Log Know): Not available

Vapour pressure: Not available

Vapour pressure at 50°C: Not available

Density: 1.025 (1.015 – 1.035) g/ml at 20°C

Relative density: Not available.

Relative vapour density at 20°C: Not available

Particle characteristics: Not applicable.

9.2 – Other information:**9.2.1 Information with regard to physical hazard classes**

No additional information available.

9.2.2 Other safety characteristics

Refractive index: 1.43 – 1.45

Stability and Reactivity:**10.1 – Reactivity:**

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

10.2 – Chemical Stability:

Stable under normal conditions.

**10.3 - Possibility of hazardous reactions:**

No dangerous reactions known under normal conditions of use.

10.4 – Conditions to avoid:

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

10.5 – Incompatible materials:

No additional information available.

10.6 – Hazardous decomposition products:

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

11: Toxicological Information:**11.1 – Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

2-phenylethanol (60-12-8)	
LD50 oral rat	1603 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	1610 mg/kg bodyweight
LD50 dermal rabbit	2535 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / Female, Experimental value, Dermal, 14 day (s))
LD50 dermal	2500 mg/kg bodyweight
LC50 Inhalation – Rat	>4.63 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
ATE CLP (oral)	1603 mg/kg bodyweight
ATE CLP (dermal)	2500 mg/kg bodyweight

Propylene glycol (57-55-6)	
LD50 oral rat	22000 mg/kg (Rat, Male/female, Experimental value, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation – Rat	> 44.9 mg/l (4 h, Rat, Male/female, Experimental value, Inhalation (aerosol), 7 day(s))
ATE CLP (oral)	22000 mg/kg bodyweight

Linalool (78-70-6)	
LD50 oral rat	2790 mg/kg bodyweight
ATE CLP (oral)	2790 mg/kg bodyweight

Alpha-ionone (127-41-3)	
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LD50 oral rat	4590 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit, Weight of evidence, Dermal)
ATE CLP (oral)	4590 mg/kg bodyweight

Benzyl alcohol (100-51-6)

LC50 Inhalation – Rat	>4.178 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (vapours)	11 mg/l/4h

Skin corrosion/irritation: Causes severe skin burns

2-phenylethanol (60-12-8)

pH	6 – 7
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Propylene glycol (57-55-6)

pH	6.5 – 7.5 (50%)
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Alpha-ionone (127-41-3)

pH	No data available in the literature.
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Serious eye damage/irritation: Assumed to cause serious eye damage

2-phenylethanol (60-12-8)

pH	6 – 7
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Propylene glycol (57-55-6)

pH	6.5 – 7.5 (50%)
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Alpha-ionone (127-41-3)

pH	No data available in the literature.
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Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Benzyl alcohol (100-51-6)

NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other: OECD Guideline 451 (Carcinogenicity Studies)
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Aspiration hazard: Not classified

2-phenylethanol (60-12-8)

Viscosity, kinematic	14.1 mm ² /s (20°C, OECD 114: Viscosity of Liquids)
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**Propylene glycol (57-55-6)**

Viscosity, kinematic	4.426mm ² /s
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Alpha-ionone (127-41-3)

Viscosity, kinematic	No data available in the literature
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Benzyl acetate (140-11-4)

Viscosity, kinematic	4.265 mm ² /s
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11.1 – Information on other hazards**11.2.1 Endocrine disrupting properties**

No additional information available.

11.2.1 Other information

Special Ingredients Ltd do not test on animals, this is historical information.

12: Ecological Information:**12.1 – Toxicity:**

Ecology – General: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, Long-term (Chronic): Harmful to aquatic life with long lasting effects.

2-phenylethanol (60-12-8)

LC50 – Fish [1]	215 – 464 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Lethal)
EC50 – Crustacea [1]	287.17 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	1300 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

Propylene glycol (57-55-6)

LC50 – Fish [1]	40613 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

Alpha-ionone (127-41-3)

LC50 – Fish [1]	6.8 mg/l (Leuciscus idus, Static system, Fresh water, Weight of evidence)
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EC50 72h – Algae [1]	50.26 mg/l (OECD 201: Alga, Growth Inhibition Test, Chlorella vulgaris, Static System, Fresh water, QSAR, Growth rate)
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Benzyl alcohol (100-51-6)	
LC50 – Fish [1]	460 mg/l Test organisms (species): Pimephales promelas
EC50 – Crustacea [1]	230 mg/l Test organisms (species): Daphnia magna
EC50 72h – Algae [1]	770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum camricornutum)
EC50 72h – Algae [2]	500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum camricornutum)
NOEC (chronic)	51 mg/l Test organisms (species): Daphnia magna Duration '21 d'

12.2 – Persistence and Degradability:

2-phenylethanol (60-12-8)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.45g O ₂ /g substance
Chemical oxygen demand (COD)	1.45g O ₂ /g substance
ThOD	2.6g O ₂ /g substance

Propylene glycol (57-55-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.96 – 1.08 g O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance
ThOD	1.69 g O ₂ /g substance

Alpha-ionone (127-41-3)	
Persistence and degradability	Persistence and degradability

Benzyl acetate (140-11-4)	
Persistence and degradability	Readily biodegradable in water.

12.3 - Bioaccumulative Potential:

2-phenylethanol (60-12-8)	
BCF – Fish [1]	2.036 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	1.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20°C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4)

Propylene glycol (57-55-6)	
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Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5°C)
Bioaccumulative Potential	Not bioaccumulative

Alpha-ionone (127-41-3)	
BCF – Fish [1]	161 (Pisces, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.896 (Experimental value, OECD 117: Partition coefficient (n-octanol/water), HPLC method, 25°C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 500).

Benzyl acetate (140-11-4)	
BCF – Fish [1]	8 (Pisces), Flow-through system, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	1.96 (Experimental value, 25°C)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 4).

12.4 - Mobility in soil:

2-phenylethanol (60-12-8)	
Surface tension	59.7 mN/m (20°C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.5 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology – soil	Highly mobile in soil.

Propylene glycol (57-55-6)	
Surface tension	71.6 mN/m (21.5°C, 1.01 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalised Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology – soil	Highly mobile in soil

Alpha-ionone (127-41-3)	
Organic Carbon Normalised Adsorption Coefficient (Log Koc)	3.456 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology – soil	Low potential for mobility in soil



Benzyl acetate (140-11-4)			
Organic	Carbon	Normalised	2.4 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Adsorption Coefficient (Log Koc)			
Ecology – soil			Low potential for adsorption in soil.

12.5 - Results of PBT and vPvB assessment:

Component	
2-phenylethanol (60-12-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Propylene glycol (57-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Alpha-ionone (127-41-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzyl acetate (140-11-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 – Endocrine disrupting properties:

No additional information available.

12.7 – Other adverse effects

No additional information available.

13: Disposal Considerations:**13.1 – Waste treatment methods:**

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

14: Transport Information:

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

14.1 UN number

UN-NO. (ADR): Not applicable

UN-NO. (IMDG): Not applicable

UN-NO. (IATA): Not applicable

UN-NO. (ADN): Not applicable

UN-NO. (RID): Not applicable

**14.2 UN proper shipping name**

Proper shipping name (ADR): Not applicable

Proper shipping name (IMDG): Not applicable

Proper shipping name (IATA): Not applicable

Proper shipping name (ADN): Not applicable

Proper shipping name (RID): Not applicable

14.3 Transport hazard classes**ADR**

Transport hazard class (es) (ADR): Not applicable

IMDG

Transport hazard class (es) (IMDG): Not applicable

IATA

Transport hazard class (es) (IATA): Not applicable

ADN

Transport hazard class (es) (ADN): Not applicable

RID

Transport hazard class (es) (RID): Not applicable

14.4 Packing group

Packing group (ADR): Not applicable

Packing group (IMDG): Not applicable

Packing group (IATA): Not applicable

Packing group (ADN): Not applicable

Packing group (RID): Not applicable

14.5 Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

14.6 – Special precautions for user:**Overland transport**

Not applicable

Transport by Sea

Not applicable

Air Transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

**14.7 – Transport in bulk according to IMO instructions**

Not applicable.

15: Regulatory Information:**15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture:****15.1.1 – EU regulations:**

REACH Annex XVII (Restriction List): Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List): Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC): Contains no substance(s) listed on the REACH Candidate List.

PIC Regulation (Prior Informed Consent): Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

Ozone Regulation (1005/2009): Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on the Explosives Precursors Regulation (2019/1148 on the marketing and use of explosives precursors).

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

15.1.2 – National Regulations:**Germany**

Water hazard class (WGK): Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV).

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

Netherlands

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

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

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

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

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

Denmark

Classification remarks: Emergency management guideline for the storage of flammable liquids must be followed

15.2 – Chemical safety assessment:

No chemical safety assessment has been carried out.

16: Other Information:

Abbreviations and acronyms	
ADN	European Agreement concerning the international carriage of dangerous goods by inland waterways
ADR	European Agreement concerning the international carriage of dangerous goods



	by road
ATE	Acute toxicity Estimate
BCF	Bio-concentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived minimal effect level
DNEL	Derived-no effect level
EC-No.	European community number
EC50	Median effective concentration
EN	European standard
IARC	International Agency for research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bio accumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the international Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bio accumulative
ED	Endocrine disrupting properties

Full Text of H- and EUH-statements:

Acute Tox. 4 (Inhalation: Vapour)	Acute toxicity (inhalation: vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
EUH208	Contains Linalool (78-70-6)
EUH210	Safety data sheet available on request.
H302	Harmful if swallowed
H332	Harmful if inhaled
Skin Sens. 1B	Skin sensitisation, category 1B

The information contained herein is to the best of our knowledge, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.