



Specification

Product Name: Plum Flavour Drop
Product Code: SPEC0133

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, 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:

Dark, dry and cool conditions, not in direct sunlight.

Packaging:

30ml	5060341111853
500ml	5056191010750
1 Litre	5056191006005
5 Litre	5056191006012

Country of Origin:

United Kingdom.

Shelf Life:

24 months if stored as above and unopened.

Density (g/ml) at 20°C:

1.020 – 1.040



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Registered UK Company No: 08758412 | UK VAT No: GB175274393

**Refractive Index at 20°C:**

1.413 – 1.423

Flashpoint °C (closed cup):

72

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: Plum 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 906247

1.4 - Emergency Telephone Contact: 07387 330318. <https://specialingredients.co.uk/pages/contact>[www.specialingredients.co.uk](https://specialingredients.co.uk)Tel: 01246 906247 | Foxwood Industrial Park, Chesterfield, S41 9RN, United Kingdom
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2: Hazards Identification:**2.1 – Classification of the substance or mixture:**

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

- Serious eye damage/eye irritation, Category 2: H319

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects: Causes serious eye irritation.

2.2 – Label elements:**Labelling according to Regulation (EC) no. 1272/2008 [CLP],**

GHS07

Signal word (CLP): Warning

Hazard statements (CLP):

- H319 - Causes serious eye irritation.

Precautionary statements (CLP):

- P264 - Wash hands, forearms and face thoroughly after handling.
- P280 - Wear protective clothing, eye protection, face protection.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements: EUH208 - Contains Cinnamon Oil(84649-98-9). May produce an allergic reaction.

2.3 – Other hazards:

Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

Component	
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
ethyl butyrate (105-54-4)	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
3-methylbutyl butyrate (106-27-4)	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
n-Butanol (71-36-3)	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

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]
n-Butanol	CAS-No.: 71-36-3 EC-No.: 200-751-6 EC Index-No.: 603-004-00-6	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
Cinnamon Oil	CAS-No.: 84649-98-9 EC-No.: 283-479-0	< 1	Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full Text of H- and EUH statements: see section 16.

4: First Aid Measures:

4.1 – Description of First Aid Measures:

First-aid measures general: IF exposed or concerned: Get medical advice/attention.

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 for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact: Eye irritation.

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: Only qualified personnel equipped with suitable protective equipment may intervene.

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:

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3 – Methods and material for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. 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 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	
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

n-Butanol (71-36-3)	
Belgium - Occupational Exposure Limits	
OEL TWA	62 mg/m ³
OEL TWA [ppm]	20 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	150 mg/m ³
VLE (OEL C/STEL) [ppm]	50 ppm
United Kingdom	
Local name	Butan-1-ol
WEL STEL (OEL STEL)	154 mg/m ³
WEL STEL (OEL STEL) [ppm]	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Third edition, 2018). HSE
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	20 ppm

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

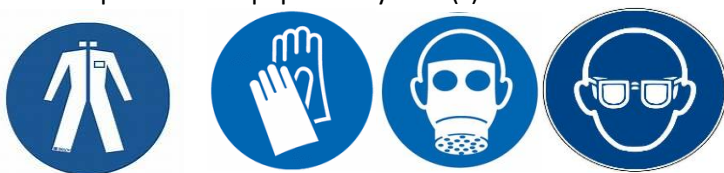
8.2 – Exposure controls:**8.2.1 Appropriate engineering controls**

Ensure good ventilation of the work station.

8.2.2 Person protective equipment

Wear recommended personal protective equipment

Personal protective equipment symbol(s)



8.2.2.1 Eye and face protection

Eye protection			
Safety Glasses			
Type	Field of 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

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



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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 Kow): Not available
Vapour pressure: Not available
Vapour pressure at 50°C: Not available
Density: 1.03 (1.02 – 1.04) 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: 1.413 – 1.433

10: Stability and Reactivity:

10.1 – Reactivity:

The 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

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

ethyl butyrate (105-54-4)	
LD50 oral rat	13000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
ATE CLP (oral)	13000 mg/kg bodyweight

3-methylbutyl butyrate (106-27-4)	
LD50 oral rat	> 5000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 014 day(s))
LD50 dermal rat	> 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

Cinnamom Oil (84649-98-9)	
LD50 oral	2650 mg/kg bodyweight
ATE CLP (oral)	2650 mg/kg bodyweight

n-Butanol (71-36-3)	
LD50 oral rat	2292 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	3430 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	3400 mg/kg bodyweight
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	3400 mg/kg bodyweight

Skin corrosion/irritation: Not classified

Propylene glycol (57-55-6)	
pH	6.5 – 7.5 (50 %)

3-methylbutyl butyrate (106-27-4)

pH	5.8 (0.018 %, 20 °C, OECD 105: Water Solubility)
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n-Butanol (71-36-3)

pH	No data available in the literature
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Serious eye damage/irritation: Not classified

Propylene glycol (57-55-6)

pH	6.5 – 7.5 (50 %)
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3-methylbutyl butyrate (106-27-4)

pH	5.8 (0.018 %, 20 °C, OECD 105: Water Solubility)
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n-Butanol (71-36-3)

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

n-Butanol (71-36-3)

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
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STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Propylene glycol (57-55-6)

Viscosity, kinematic	41.426 mm ² /s
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ethyl butyrate (105-54-4)

Viscosity, kinematic	0.682 mm ² /s
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3-methylbutyl butyrate (106-27-4)

Viscosity, kinematic	No data available in the literature
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n-Butanol (71-36-3)

Viscosity, kinematic	No data available in the literature
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**11.2 – Information on other hazards****11.2.1 Endocrine disrupting properties**

No additional information available.

11.2.2 Other information

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): Not classified

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)

ethyl butyrate (105-54-4)	
LC50 - Fish [1]	17 mg/l (48 h, Leuciscus idus)
EC50 - Crustacea [1]	755 mg/l (Daphnia magna)

3-methylbutyl butyrate (106-27-4)	
LC50 - Fish [1]	3.47 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	8.12 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	4.68 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

n-Butanol (71-36-3)	
LC50 - Fish [1]	1376 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	1328 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	225 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h,



	Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
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12.2 – Persistence and Degradability:

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 /g substance
Chemical oxygen demand (COD)	1.63 g O /g substance
ThOD	1.69 g O /g substance

ethyl butyrate (105-54-4)	
Persistence and degradability	Biodegradability in soil: no data available. Biodegradability in water: no data available.
ThOD	2.479 g O /g substance

3-methylbutyl butyrate (106-27-4)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
ThOD	2.53 g O /g substance

n-Butanol (71-36-3)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.1 – 1.92 g O /g substance
Chemical oxygen demand (COD)	2.46 g O /g substance
ThOD	2.59 g O /g substance

12.3 - Bioaccumulative Potential:

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

ethyl butyrate (105-54-4)	
BCF - Other aquatic organisms [1]	12 (Estimated value)
Partition coefficient n-octanol/water (Log Pow)	1.73 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).



3-methylbutyl butyrate (106-27-4)	
Partition coefficient n-octanol/water (Log Pow)	3.99 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22.4 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

n-Butanol (71-36-3)	
Partition coefficient n-octanol/water (Log Pow)	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4 - Mobility 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 Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology – soil	Highly mobile in soil

ethyl butyrate (105-54-4)	
Surface tension	0.025 N/m
Ecology – soil	Highly mobile in soil

3-methylbutyl butyrate (106-27-4)	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.99 – 2.33 (log Koc, SRC PCKOCWIN v2.0, Estimated value)
Ecology – soil	Highly mobile in soil

n-Butanol (71-36-3)	
Surface tension	69.9 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.54 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology – soil	Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.

12.5 - Results of PBT and vPvB assessment:

Component



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
ethyl butyrate (105-54-4)	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
3-methylbutyl butyrate (106-27-4)	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
n-Butanol (71-36-3)	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

12.6 – Endocrine disruptins 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 collector's 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) (ADR): Not applicable

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

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

RID – Transport hazard class(es) (ADR): 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 – Maritime transport in bulk according to IMO instruments

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 list (Regulation EU 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:

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

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: Cinnamon Oil is listed

SZW-lijst van mutagene stoffen: Cinnamon Oil is 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

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

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 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains Cinnamon Oil(84649-98-9). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

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.