



Specification

Product Name: Cookies and Cream Flavour Drop

Product Code: SPEC0094

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 substances, Flavouring preparations, 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	5060341116834
500ml	5056191011085
1 Litre	5056191006968
5 Litre	5056191006975

Country of Origin:

United Kingdom.

**Shelf Life:**

24 months if stored as above and unopened.

Density (g/ml) at 20°C:

1.030 – 1.050

Refractive Index at 20°C:

1.425 – 1.445

Flashpoint °C (closed cup):

>60

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: Cookies and Cream 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.www.specialingredients.co.uk

**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>

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],

Hazard Pictograms (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.

2.3 – Other hazards:

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

Component	
Maltol (118-71-8)	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
Triacetin (102-76-1)	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
delta-Decalactone (705-86-2)	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

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	regulation, annex XIII
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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]
Maltol	CAS-No.: 118-71-8 EC-No.: 204-271-8	1 – 5	Acute Tox. 4 (Oral), H302
Ethyl Lactate	CAS-No.: 97-64-3 EC-No.: 202-598-0 EC Index-No.: 607-129-00-7	1 – 5	Flam. Liq. 3, H226 Eye Dam. 1, H318 STOT SE 3, H335
Diacetyl	CAS-No.: 431-03-8 EC-No.: 207-069-8	< 1	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation: vapour), H331

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

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 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 centre or a doctor if you feel unwell.

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

Symptoms/effects after skin 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.

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**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. Avoid contact with skin and eyes.

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.

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. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: 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 cool, dry conditions in the original unopened containers, between 5-20°C. Reseal container tightly once opened.

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	Propate-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

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Diacetyl (431-03-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Diacetyl (Butanedione)
WEL TWA (OEL TWA) [1]	0.07 mg/m ³
WEL TWA (OEL TWA) [2]	0.02 ppm
WEL STEL (OEL STEL)	0.36 mg/m ³
WEL STEL (OEL STEL) [ppm]	0.1 ppm
Regulatory reference	EH40/2005 (Third edition, 2018). HSE

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

Personal protective equipment symbol(s)

**8.2.2.1 Eye and face protection**

Eye protection			
Safety Glasses			
Type	Field application	of 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.

8.2.5 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: Brown.

Odour: Characteristic. Conforms to Standard.

Odour threshold: Not available

Melting point: Not applicable

Freezing point: Not available

Boiling point: Not available

Flammability: Non flammable.

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: 1.04 (1.03 – 1.05) 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: 1.425 – 1.445

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

Maltol (118-71-8)	
LD50 oral rat	1440 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral)
LD50 oral	1440 mg/kg bodyweight
ATE CLP (oral)	1440 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))A



ATE CLP (oral)	22000 mg/kg bodyweight
Triacetin (102-76-1)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal)
LC50 Inhalation – Rat	> 1.721 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

Diacetyl (431-03-8)	
LD50 oral	1580 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours)	3 mg/l/4h
ATE CLP (oral)	1580 mg/kg bodyweight
ATE CLP (vapours)	3 mg/l/4h

Skin corrosion/irritation: Not classified

Maltol (118-71-8)	
pH	5 – 7

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

Triacetin (102-76-1)	
pH	5 – 6 (5 %)

Serious eye damage/irritation: Not classified

Maltol (118-71-8)	
pH	5 – 7

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

Triacetin (102-76-1)	
pH	5 – 6 (5 %)

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

Ethyl Lactate (97-64-3)	
STOT-single exposure	May cause respiratory irritation.



STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Maltol (118-71-8)

Viscosity, kinematic	Not applicable
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Propylene glycol (57-55-6)

Viscosity, kinematic	41.426 mm ² /s
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Ethyl acetate (141-78-6)

Viscosity, kinematic	2.33 mm ² /s
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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): Harmful to aquatic life with long lasting effects.

Maltol (118-71-8)

LC50 – Fish [1]	100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Experimental value)
EC50 – Crustacea [1]	27 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	7.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

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)

Triacetin (102-76-1)

LC50 – Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, GLP)
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EC50 – Crustacea [1]	380 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 940 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

delta-Decalactone (705-86-2)

LC50 – Fish [1]	6.25 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value)
ErC50 algae	23 mg/l (96 h, Static system, Fresh water, Calculated value)

Ethyl Lactate (97-64-3)

LC50 – Fish [1]	100 – 1000 mg/l (96 h, Pisces)
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12.2 – Persistence and Degradability:**Maltol (118-71-8)**

Persistence and degradability	Readily biodegradable in water.
ThOD	1.52 g O /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

Triacetin (102-76-1)

Persistence and degradability	Readily biodegradable in water.
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delta-Decalactone (705-86-2)

Persistence and degradability	Not readily biodegradable in water.
ThOD	2.54 g O /g substance

Ethyl Lactate (97-64-3)

Persistence and degradability	Readily biodegradable in water.
ThOD	1.35 g O /g substance

12.3 - Bioaccumulative Potential:**Maltol (118-71-8)**

Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, Equivalent or similar to OECD 117, 25 °C)
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Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).
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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

Triacetin (102-76-1)	
BCF – Fish [1]	3.162 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	0.25 (Experimental value)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).

delta-Decalactone (705-86-2)	
BCF – Fish [1]	22.95 l/kg (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-0.31 (Experimental value)
Bioaccumulative Potential	Not bioaccumulative

Ethyl Lactate (97-64-3)	
Partition coefficient n-octanol/water (Log Pow)	-0.18 (Calculated)
Bioaccumulative Potential	Not bioaccumulative.

12.4 - Mobility in soil:

Ethyl acetate (141-78-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.668 (log Koc, SRC PCKOCWIN v2.0, Calculated 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

Triacetin (102-76-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.61 (log Koc, SRC PCKOCWIN v2.0, Calculated value)



Ecology – soil	Highly mobile in soil
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delta-Decalactone (705-86-2)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.698 (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.

Ethyl Lactate (97-64-3)	
Surface tension	0.028 N/m (25 °C)

12.5 - Results of PBT and vPvB assessment:

Component	
Maltol (118-71-8)	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
Triacetin (102-76-1))	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
delta-Decalactone (705-86-2)	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) (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 – 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 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 dimethylacetamide; 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)

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

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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. 3 (Inhalation: vapour)	Acute toxicity (inhalation: vapour) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation



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.