



HOME FRAGRANCE ITALIA S.R.L.

a socio unico – Società soggetta a direzione e coordinamento di
Yankee Candle Company (Europe) Ltd
Capitale sociale Euro 10.920 i.v.
P.IVA IT12886810154 REA 1593831 Cod. Mecc. MI314449

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SAFETY DATA SHEET

Issue Date 26-Aug-2019

Revision Date 01-Aug-2018

Version 5

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

1.1. Product identifier

Trade name / designation	Fragrance Diffuser FIORI DI MUSCHIO MI
Product Code	41DDFM
Product Name	ZONA DIFFUSORE A STICK 250ml FIORI DI MUSCHIO

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

Recommended Use	Consumer use
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Newell Brands Home Fragrance Italia srl
Via Tonale, 26
20125 Milano Italia
Tel: +39 039 9220979 ; Fax: 39 039 9220943
info@millefiorimilano.com
<http://www.millefiorimilano.com/>

For further information, please contact

E-mail address info@millefiorimilano.com

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008

Europe 008 008 658 8466

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1A - (H317)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

2.2. Label elements



Contains Isocyclemone E, Isoeugenol

Danger

Causes serious eye irritation
 May cause an allergic skin reaction
 Toxic to aquatic life with long lasting effects
 Highly flammable liquid and vapor

IF IN EYES: 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

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention

Keep out of reach of children

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Store in a well-ventilated place. Keep container tightly closed

Dispose of contents/containers in accordance with local regulations

Contains Methyleneedioxyphenyl Methylpropanal, Linalool, Ethanone, 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-, 1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Linalyl acetate, Benzyl salicylate, Citronellol, Hydroxycitronellal, Limonene, 2,4-Dimethyl-3-cyclohexene carboxaldehyde, Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester, Citral, 3-Hexen-1-ol, 1-benzoate, (3Z)-, Geranyl acetate, Hexyl cinnamal, alpha-Isomethyl Ionone, Nopyl acetate, Coumarin May produce an allergic reaction

2.3. Other hazards

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	200-578-6	64-17-5	>=50%	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319)
Propanol, oxybis-	246-770-3	25265-71-8	>=10 <20%	Not Classified
1-Butanol, 3-methoxy-3-methyl-	260-252-4	56539-66-3	>=10 <20%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Skin Irrit. 3 (H316) Eye Irrit. 2A (H319)
Diethyl phthalate	201-550-6	84-66-2	>=1 <3%	Skin Irrit. 3 (H316) Aquatic Acute 3 (H402)
Isocyclemone E	259-174-3	54464-57-2	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 1 (H410)
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	214-946-9	1222-05-5	>=1 <3%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
1,6-Nonadien-3-ol, 3,7-dimethyl-	233-732-6	10339-55-6	>=1 <3%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)-	216-133-4	1506-02-1	>=0.1 <1%	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Methyleneedioxyphenyl Methylpropanal	214-881-6	1205-17-0	>=0.1 <1%	Skin Sens. 1B (H317) Repr. 2 (H361)

				Aquatic Chronic 2 (H411)
Ethanone, 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	268-978-3	68155-66-8	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 1 (H410)
Benzyl salicylate	204-262-9	118-58-1	>=0.1 <1%	Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)
Linalyl acetate	204-116-4	115-95-7	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Linalool	201-134-4	78-70-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	268-979-9	68155-67-9	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 1 (H410)
Hydroxycitronellal	203-518-7	107-75-5	>=0.1 <1%	Skin Sens. 1B (H317) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)
Citronellol	203-375-0	106-22-9	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Limonene	227-813-5	5989-27-5	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Isoeugenol	202-590-7	97-54-1	>=0.1 <1%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Skin Sens. 1A (H317) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) STOT SE 3 (H335)
Hexyl cinnamal	202-983-3	101-86-0	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Oakmoss absolute		9000-50-4	>=0.1 <1%	Skin Sens. 1 (H317)
Nopyl acetate	204-891-9	128-51-8	>=0.1 <1%	Acute Tox. 5 (H303) Skin Sens. 1B (H317) Eye Irrit. 2A (H319) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	225-193-0	4707-47-5	>=0.1 <1%	Skin Sens. 1B (H317)
Acetic acid, phenylmethyl ester	205-399-7	140-11-4	>=0.1 <1%	Aquatic Chronic 3 (H412)
4-Penten-2-ol, 3,3-dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-	Present	107898-54-4	>=0.1 <1%	Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
3-Hexen-1-ol, 1-benzoate, (3Z)-	246-669-4	25152-85-6	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)
2,4-Dimethyl-3-cyclohexene carboxaldehyde	268-264-1	68039-49-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
alpha-Isomethyl Ionone	204-846-3	127-51-5	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)
Coumarin	202-086-7	91-64-5	>=0.1 <1%	Acute Tox. 4 (H302) Skin Sens. 1B (H317)
Citral	226-394-6	5392-40-5	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)
Geranyl acetate	203-341-5	105-87-3	>=0.1 <1%	Skin Irrit. 2 (H315)

				Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)
t-Butyl Alcohol	200-889-7	75-65-0	>=0.1 <1%	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) STOT SE 3 (H335)

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

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Immediate medical attention is required.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water. Wash off immediately with soap and plenty of water.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth.
Self-protection of the first aider	Remove all sources of ignition.

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

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization of susceptible persons.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

6.3. Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

To avoid risks to human health and the environment, comply with the instructions for use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Ethanol 64-17-5		STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	STEL: 1000 ppm STEL: 1910 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin
Propanol, oxybis- 25265-71-8					TWA: 100 mg/m ³ Ceiling / Peak: 200 mg/m ³
Diethyl phthalate		STEL: 10 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	

84-66-2 (R)-p-mentha-1,8-diene 5989-27-5		TWA: 5 mg/m ³		TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin
Acetic acid, phenylmethyl ester 140-11-4					TWA: 10 ppm TWA: 62 mg/m ³	
2,6-Octadienal, 3,7-dimethyl- 5392-40-5					S* TWA: 5 ppm	
t-Butyl Alcohol 75-65-0		STEL: 150 ppm STEL: 462 mg/m ³ TWA: 100 ppm TWA: 308 mg/m ³		TWA: 100 ppm TWA: 300 mg/m ³	TWA: 100 ppm TWA: 308 mg/m ³	TWA: 20 ppm TWA: 62 mg/m ³ Ceiling / Peak: 80 ppm Ceiling / Peak: 248 mg/m ³
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark	
Ethanol 64-17-5		TWA: 1000 ppm	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³	
Diethyl phthalate 84-66-2		TWA: 5 mg/m ³		TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 3 mg/m ³	
(R)-p-mentha-1,8-diene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³		
Acetic acid, phenylmethyl ester 140-11-4		TWA: 10 ppm			TWA: 10 ppm TWA: 61 mg/m ³	
t-Butyl Alcohol 75-65-0		TWA: 100 ppm		TWA: 50 ppm TWA: 150 mg/m ³ STEL: 75 ppm STEL: 230 mg/m ³ Skin	Ceiling: 50 ppm Ceiling: 150 mg/m ³ Skin	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Czech Republic
Ethanol 64-17-5	STEL 2000 ppm STEL 3800 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³	TWA: 1900 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	STEL: 1000 ppm	Ceiling: 3000 mg/m ³ TWA: 1000 mg/m ³
Propanol, oxybis- 25265-71-8		STEL: 280 mg/m ³ TWA: 140 mg/m ³				
1-Butanol, 3-methoxy-3-methyl- 56539-66-3						Ceiling: 200 mg/m ³
Diethyl phthalate 84-66-2	STEL 5 mg/m ³ TWA: 3 mg/m ³	TWA: 5 mg/m ³	STEL: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 3 mg/m ³ STEL: 6 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	
(R)-p-mentha-1,8-diene 5989-27-5		STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³		
2,6-Octadienal, 3,7-dimethyl- 5392-40-5			STEL: 54 mg/m ³ TWA: 27 mg/m ³			
t-Butyl Alcohol 75-65-0	Skin STEL 80 ppm STEL 248 mg/m ³ TWA: 20 ppm TWA: 62 mg/m ³	STEL: 80 ppm STEL: 240 mg/m ³ TWA: 20 ppm TWA: 60 mg/m ³	STEL: 450 mg/m ³ TWA: 300 mg/m ³	Skin Ceiling: 25 ppm Ceiling: 75 mg/m ³	TWA: 100 ppm TWA: 300 mg/m ³ STEL: 150 ppm STEL: 450 mg/m ³	Ceiling: 600 mg/m ³ TWA: 300 mg/m ³ Skin

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.
Skin and body protection Antistatic footwear. Wear fire/flamm resistant/retardant clothing. Gloves made of plastic or rubber.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	liquid	Odor	Characteristic
Appearance	No information available	Odor threshold	No information available
Color	colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		Not Applicable
Melting point/freezing point		No information available
Boiling point / boiling range	>= 78 °C	
Flash point	>= 13 °C	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapor Pressure @20°C (kPa)	No information available	No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility	Miscible in water	
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	Not Applicable
VOC Content (%)	94.79
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product information

Product does not present an acute toxicity hazard based on known or supplied information.

Unknown Acute Toxicity 18.76% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 17,594.00 mg/kg

ATEmix (inhalation-dust/mist) 308.64 mg/l

ATEmix (inhalation-vapor) 253.28 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Diethyl phthalate	= 8600 mg/kg (Rat)	> 11200 mg/kg (Rat)	> 4.64 mg/L (Rat) 6 h
(R)-p-mentha-1,8-diene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Acetic acid, phenylmethyl ester	= 2490 mg/kg (Rat)	> 5 g/kg (Rabbit) > 5000 mg/kg (Rabbit)	
2,6-Octadienal, 3,7-dimethyl-	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	
t-Butyl Alcohol	= 2200 mg/kg (Rat)	> 2 g/kg (Rabbit)	> 10000 ppm (Rat) 4 h

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Contact with eyes may cause irritation.

Sensitization Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	blood, Central nervous system, Eyes, liver, Peripheral Nervous System (PNS), Reproductive System, Respiratory system, Skin.
Aspiration hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

95.94% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethanol		12.0 - 16.0: 96 h Oncorhynchus mykiss mg/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Propanol, oxybis-		5000: 24 h Carassius auratus mg/L LC50 static	
Diethyl phthalate	23: 72 h Desmodemus subspicatus mg/L EC50 21: 96 h Desmodemus subspicatus mg/L EC50 21: 96 h Desmodemus subspicatus mg/L EC50 static 2.11 - 4.29: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 42 - 255: 72 h Pseudokirchneriella subcapitata mg/L EC50 23: 72 h Desmodemus subspicatus mg/L EC50 static	16.8: 96 h Pimephales promelas mg/L LC50 static 16.7: 96 h Lepomis macrochirus mg/L LC50 static 17: 96 h Pimephales promelas mg/L LC50 flow-through 22: 96 h Lepomis macrochirus mg/L LC50 flow-through 12: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	86: 48 h Daphnia magna mg/L EC50 Static 36 - 74: 48 h Daphnia magna mg/L EC50
1,6-Octadien-3-ol, 3,7-dimethyl-	88.3: 96 h Desmodemus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50
(R)-p-mentha-1,8-diene		35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through	
2,6-Octadienal, 3,7-dimethyl-	19: 96 h Desmodemus subspicatus mg/L EC50 16: 72 h Desmodemus subspicatus mg/L EC50	4.6 - 10: 96 h Leuciscus idus mg/L LC50 static	7: 48 h Daphnia magna mg/L EC50
t-Butyl Alcohol	1000: 72 h Desmodemus subspicatus mg/L EC50	6130 - 6700: 96 h Pimephales promelas mg/L LC50 flow-through	4607 - 6577: 48 h Daphnia magna mg/L EC50 Static 933: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
Ethanol	-0.32
Diethyl phthalate	2.35
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)-	4.6
1,6-Octadien-3-ol, 3,7-dimethyl-	2.84 - 3.1
Acetic acid, phenylmethyl ester	1.96
2,6-Octadienal, 3,7-dimethyl-	2.76

t-Butyl Alcohol	0.35
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12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Diethyl phthalate	Group III Chemical		

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG

UN/ID No.	1266
Proper shipping name	Perfumery products with flammable solvents
Hazard Class	3
Packing Group	II
EmS-No	F-E, S-D
Special Provisions	163
Marine pollutant	Marine pollutant

RID

UN/ID No.	1266
Proper shipping name	Perfumery products with flammable solvents
Hazard Class	3
Packing Group	II
Environmental hazard	Yes

ADR

UN/ID No.	1266
Proper shipping name	Perfumery products with flammable solvents
Hazard Class	3
Packing Group	II
Environmental hazard	Yes

ICAO (air)

UN/ID No.	1266
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Proper shipping name	Perfumery products with flammable solvents
Hazard Class	3
Packing Group	II
Special Provisions	A3
Environmental hazard	Yes

IATA

UN/ID No.	1266
Proper shipping name	Perfumery products with flammable solvents
Hazard Class	3
Packing Group	II
Special Provisions	A3
Environmental hazard	Yes

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Name	French RG number	Title
Ethanol 64-17-5	RG 84	
(R)-p-mentha-1,8-diene 5989-27-5	RG 84	
t-Butyl Alcohol 75-65-0	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

H227 - Combustible liquid

H303 - May be harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H402 - Harmful to aquatic life

H412 - Harmful to aquatic life with long lasting effects

H410 - Very toxic to aquatic life with long lasting effects

H361 - Suspected of damaging fertility or the unborn child if inhaled
H401 - Toxic to aquatic life
H302 - Harmful if swallowed
H316 - Causes mild skin irritation
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H225 - Highly flammable liquid and vapor
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H312 - Harmful in contact with skin

Classification procedure

Classification according to calculation method of the CLP regulation.

Key literature references and sources for data

IFRA-IOFI Labelling Manual, RIFM/FEMA database, Supplier Information

Issue Date	26-Aug-2019
Revision Date	01-Aug-2018
Revision Note	Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

This document was prepared to the requirements of the jurisdiction specified in Section 2 above and may not meet regulatory requirements in other countries. The information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

End of Safety Data Sheet