



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

Tel.	+39 039 9220979	Sede legale	Sede operativa
Fax	+39 039 9220943	Via Tonale, 26	Via del Commercio, 28
Mail	info@millefiorimilano.com	20125 Milano (MI)	20881 Bernareggio (MB)

SAFETY DATA SHEET

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Version 8

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

1.1. Product identifier

Trade name / designation	Fragrance Diffuser ARIA MEDITERRANE MI
Product Code	41DDAM
Product Name	ZONA DIFFUSORE A STICK 250ml ARIA MEDITERRANEA

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 1B - (H317)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

2.2. Label elements



Contains Limonene, Linalyl acetate

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 Geraniol, Hexyl cinnamal, 2,6-Octadien-1-ol, 3,7-dimethyl-, 1-acetate, (2Z)-, Acetylcedrene, Isocyclemone E, Linalool, alpha-Pinenes, beta-Caryophyllene, Coumarin, Lavandin grosso oil, Turpentine, oil, 3-Octanol, 3,7-dimethyl-, Cyclododecane, (ethoxymethoxy)-, Limonene, 2,4-Dimethyl-3-cyclohexene carboxaldehyde, 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, trans-Rose Ketone-1, Geranyl acetate, Eucalyptol, Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester, Carvacrol, Citral, Nerol, Hydroxycitronellal, Pentadecalactone, Citronellol, Citronellal, Methylenedioxyphenyl Methylpropanal, beta-Pinene, delta-3-Carene, Cyclohexanemethanol, 4-(1-methylethyl)-, cis- 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)
Ethanol, 2-(2-ethoxyethoxy)-	203-919-7	111-90-0	>=5 <10%	Flam. Liq. 4 (H227)
Linalyl acetate	204-116-4	115-95-7	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Limonene	227-813-5	5989-27-5	>=1 <3%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Oxacyclohexadec-12-en-2-one, (12E)-		111879-80-2	>=0.1 <1%	Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Hexyl cinnamal	202-983-3	101-86-0	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
Acetylcedrene	251-020-3	32388-55-9	>=0.1 <1%	par Skin Sens. 1B (H317) Aquatic Acute 1 (H400)

				Aquatic Chronic 1 (H410)
Isocyclemone E	259-174-3	54464-57-2	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 1 (H410)
alpha-Pinenes	201-291-9	80-56-8	>=0.1 <1%	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-	200-945-0	76-22-2	>=0.1 <1%	Flam. Sol. 2 (H228) Acute Tox. 4 (H302) Acute Tox. 4 (H332) STOT SE 2 (H371) Aquatic Acute 3 (H402)
2,6-Octadien-1-ol, 3,7-dimethyl-, 1-acetate, (2Z)-	205-459-2	141-12-8	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Geraniol	203-377-1	106-24-1	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318)
Linalool	201-134-4	78-70-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Diethyl phthalate	201-550-6	84-66-2	>=0.1 <1%	Skin Irrit. 3 (H316) Aquatic Acute 3 (H402)
beta-Caryophyllene	201-746-1	87-44-5	>=0.1 <1%	Asp. Tox. 1 (H304) Skin Sens. 1B (H317) Aquatic Chronic 4 (H413)
Turpentine, oil	232-350-7	8006-64-2	>=0.1 <1%	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Asp. Tox. 1 (H304) Acute Tox. 4 (H312) Flam. Liq. 3 (H226) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)
Carvacrol	207-889-6	499-75-2	>=0.1 <1%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)
Phenol, 2,6-bis(1,1-dimethylethyl)-4- methyl-	204-881-4	128-37-0	>=0.1 <1%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Pentadecalactone	203-354-6	106-02-5	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)
Hydroxycitronellal	203-518-7	107-75-5	>=0.1 <1%	Skin Sens. 1B (H317) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)
Lavandin grosso oil	297-385-2	93455-97-1	>=0.1 <1%	Aquatic Acute 2 (H401) Skin Sens. 1 (H317) Eye Irrit. 1 (H319) Aquatic Chronic 3 (H412) Flam. Liq. 4 (H227)
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6, 8,8-hexamethyl-2-naphthale nyl)-	216-133-4	1506-02-1	>=0.1 <1%	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Ethanone, 1-(1,2,3,5,6,7,8,8a-octahydr o-2,3,8,8-tetramethyl-2-naph thalenyl)-	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)
Limonene	231-732-0	7705-14-8	>=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)
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6, 7,8,8-hexamethyl-	214-946-9	1222-05-5	>=0.1 <1%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Cyclohexanemethanol, 4-(1-methylethyl)-, cis-	237-539-8	13828-37-0	>=0.1 <1%	Skin Sens. 1B (H317)
Cyclododecane, (ethoxymethoxy)-	261-332-1	58567-11-6	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
delta-3-Carene	236-719-3	13466-78-9	>=0.1 <1%	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
beta-Pinene	204-872-5	127-91-3	>=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)
Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-	201-234-8	79-92-5	>=0.1 <1%	Flam. Sol. 2 (H228) Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	225-193-0	4707-47-5	>=0.1 <1%	Skin Sens. 1B (H317)
Benzene, 1-methyl-4-(1-methylethyl)-	202-796-7	99-87-6	>=0.1 <1%	Not classified
6-tert-Butyl-1,1-dimethylinda n-4-yl methyl ketone; 4-Acetyl-6-tert-butyl-1,1-dim ethylindan, Crysolide	236-114-4	13171-00-1	>=0.1 <1%	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Citronellal	203-376-6	106-23-0	>=0.1 <1%	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2A (H319) Aquatic Acute 2 (H401)
Citronellol	203-375-0	106-22-9	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
4-Penten-2-ol, 3,3-dimethyl-5-(2,2,3-trimeth yl-3-cyclopenten-1-yl)-	Present	107898-54-4	>=0.1 <1%	Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
3-Octanol, 3,7-dimethyl-	201-133-9	78-69-3	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
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)
Eucalyptol	207-431-5	470-82-6	>=0.1 <1%	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)
Coumarin	202-086-7	91-64-5	>=0.1 <1%	Acute Tox. 4 (H302) Skin Sens. 1B (H317)
trans-Rose Ketone-1	246-430-4	24720-09-0	>=0.1 <1%	Acute Tox. 4 (H302) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
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)
Nerol	203-378-7	106-25-2	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	202-794-6	99-85-4	>=0.1 <1%	Flam. Liq. 3 (H226) Acute Tox. 5 (H303) Asp. Tox. 1 (H304) Skin Irrit. 3 (H316)
Methylenedioxyphenyl Methylpropanal	214-881-6	1205-17-0	>=0.1 <1%	Skin Sens. 1B (H317) Repr. 2 (H361) Aquatic Chronic 2 (H411)
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)
ALPHA-CEDRENE	207-418-4	469-61-4	>=0.1 <1%	Asp. Tox. 1 (H304) Skin Irrit. 3 (H316) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
t-Butyl Alcohol	200-889-7	75-65-0	>=0.01 <0.1%	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. Rinse mouth. Immediate medical attention is not required.
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.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

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
Ethanol, 2-(2-ethoxyethoxy)- 111-90-0					TWA: 50 mg/m ³ Ceiling / Peak: 100 mg/m ³ TWA: 6 ppm TWA: 35 mg/m ³
(R)-p-mentha-1,8-diene 5989-27-5			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
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- 80-56-8			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- 76-22-2		STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³	STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm TWA: 13 mg/m ³	
Diethyl phthalate 84-66-2		STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	
Turpentine, oil 8006-64-2		STEL: 150 ppm STEL: 850 mg/m ³ TWA: 100 ppm TWA: 566 mg/m ³	TWA: 100 ppm TWA: 560 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 10 ppm Ceiling / Peak: 56 mg/m ³ Skin
Phenol, 2,6-bis(1,1-dimethylethyl)-4- methyl- 128-37-0		STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ Ceiling / Peak: 40 mg/m ³ Skin
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- 13466-78-9			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- 127-91-3			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	
Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- 79-92-5			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
Benzene, 1-methyl-4-(1-methylethyl)- 99-87-6			TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
2,6-Octadienal, 3,7-dimethyl- 5392-40-5				S* TWA: 5 ppm	
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- 99-85-4			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		
t-Butyl Alcohol		STEL: 150 ppm	TWA: 100 ppm	TWA: 100 ppm	TWA: 20 ppm

75-65-0		STEL: 462 mg/m ³ TWA: 100 ppm TWA: 308 mg/m ³	TWA: 300 mg/m ³	TWA: 308 mg/m ³	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	
(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		
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- 80-56-8		TWA: 20 ppm				
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl- 76-22-2		STEL: 3 ppm TWA: 2 ppm		TWA: 0.3 ppm TWA: 1.9 mg/m ³ STEL: 0.9 ppm STEL: 5.7 mg/m ³	TWA: 2 ppm TWA: 12 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	
Turpentine, oil 8006-64-2		TWA: 20 ppm		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ Skin	TWA: 25 ppm TWA: 140 mg/m ³	
Phenol, 2,6-bis(1,1-dimethylethyl)-4- methyl- 128-37-0		TWA: 2 mg/m ³		TWA: 10 mg/m ³ STEL: 20 mg/m ³	TWA: 10 mg/m ³	
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- 13466-78-9		TWA: 20 ppm				
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- 127-91-3		TWA: 20 ppm				
Benzene, 1-methyl-4-(1-methylethyl)- 99-87-6					TWA: 25 ppm TWA: 135 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
Ethanol, 2-(2-ethoxyethoxy)- 111-90-0	STEL 24 ppm STEL 140 mg/m ³ TWA: 6 ppm TWA: 35 mg/m ³	STEL: 100 mg/m ³ TWA: 50 mg/m ³				
(R)-p-mentha-1,8-dien e 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		
Bicyclo[3.1.1]hept-2-en e, 2,6,6-trimethyl-				TWA: 25 ppm TWA: 140 mg/m ³		

80-56-8				Skin STEL: 37.5 ppm STEL: 175 mg/m ³		
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-76-22-2	TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 13 mg/m ³	STEL: 18 mg/m ³ TWA: 12 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 4 ppm STEL: 18 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 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	
Turpentine, oil 8006-64-2	Skin STEL 100 ppm STEL 560 mg/m ³ TWA: 100 ppm TWA: 560 mg/m ³ Ceiling 100 ppm Ceiling 560 mg/m ³	STEL: 100 ppm STEL: 560 mg/m ³ TWA: 100 ppm TWA: 560 mg/m ³	STEL: 300 mg/m ³ TWA: 112 mg/m ³	TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm STEL: 175 mg/m ³	TWA: 20 ppm TWA: 112 mg/m ³ STEL: 150 ppm STEL: 840 mg/m ³	Ceiling: 800 mg/m ³ TWA: 300 mg/m ³
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-128-37-0	TWA: 10 mg/m ³	STEL: 40 mg/m ³ TWA: 10 mg/m ³			TWA: 10 mg/m ³ STEL: 30 mg/m ³	
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-13466-78-9				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³		
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylen-127-91-3				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/ flame 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		
Property	Values	Remarks • Method	
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 (%)	99.66	
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 17.496% 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) 19,154.00 mg/kg
ATEmix (inhalation-dust/mist) 74.13 mg/l
ATEmix (inhalation-vapor) 89,849.00 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Ethanol, 2-(2-ethoxyethoxy)-	= 10502 mg/kg (Rat)	= 9143 mg/kg (Rabbit) = 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m ³ (Rat) 4 h
(R)-p-mentha-1,8-diene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	= 3700 mg/kg (Rat)	> 5000 mg/kg (Rat)	
Diethyl phthalate	= 8600 mg/kg (Rat)	> 11200 mg/kg (Rat)	> 4.64 mg/L (Rat) 6 h
Turpentine, oil	= 5760 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 13700 mg/m ³ (Rat) 4 h = 12 g/m ³ (Rat) 6 h
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-	= 4700 mg/kg (Rat) > 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	> 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-	= 4800 mg/kg (Rat)		
Phenol, 2-methyl-5-(1-methylethyl)-	= 810 mg/kg (Rat)		
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

93.03569999999999% 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 mL/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	
Ethanol, 2-(2-ethoxyethoxy)-		11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through	3940 - 4670: 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	
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-		0.28: 96 h Pimephales promelas mg/L LC50 static	41: 48 h Daphnia magna mg/L LC50
1,6-Octadien-3-ol, 3,7-dimethyl-	88.3: 96 h Desmodosmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50
Diethyl phthalate	23: 72 h Desmodosmus subspicatus mg/L EC50 21: 96 h Desmodosmus subspicatus mg/L EC50 21: 96 h Desmodosmus 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 Desmodosmus 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
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodosmus subspicatus mg/L EC50	5: 48 h Oryzias latipes mg/L LC50	
Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-	1000: 72 h Desmodosmus subspicatus mg/L EC50	0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static	22: 48 h Daphnia magna mg/L EC50
2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-		95.4 - 109: 96 h Pimephales promelas mg/L LC50 flow-through	
2,6-Octadienal, 3,7-dimethyl-	19: 96 h Desmodosmus subspicatus mg/L EC50 16: 72 h Desmodosmus 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 Desmodosmus 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
Ethanol, 2-(2-ethoxyethoxy)-	-0.8
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	4.1
1,6-Octadien-3-ol, 3,7-dimethyl-	2.84 - 3.1
Diethyl phthalate	2.35

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	4.17
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)-	4.6
Benzene, 1-methyl-4-(1-methylethyl)-	4.1
2,6-Octadienal, 3,7-dimethyl-	2.76
t-Butyl Alcohol	0.35

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
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	
Ethanol, 2-(2-ethoxyethoxy)- 111-90-0	RG 84	
(R)-p-mentha-1,8-diene 5989-27-5	RG 84	
Turpentine, oil 8006-64-2	RG 65, 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

H315 - Causes skin irritation
H412 - Harmful to aquatic life with long lasting effects
H319 - Causes serious eye irritation
H227 - Combustible liquid
H303 - May be harmful if swallowed
H401 - Toxic to aquatic life
H318 - Causes serious eye damage
H402 - Harmful to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H361 - Suspected of damaging fertility or the unborn child if inhaled
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H302 - Harmful if swallowed
H316 - Causes mild skin irritation
H225 - Highly flammable liquid and vapor
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H228 - Flammable solid
H371 - May cause damage to organs if inhaled
H312 - Harmful in contact with skin
H413 - May cause long lasting harmful effects to aquatic life

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	27-Jul-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