



# COTTON BLOSSOM FRAGRANCE STICKS

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6/20/2022 Revision date: 6/20/2022 Supersedes: 11/12/2021 Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: COTTON BLOSSOM FRAGRANCE STICKS
UFI	: FS6H-36KU-530D-YQVK
Type of product	: Fragrance Sticks
Collection name	: Cotton Blossom

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Use of the substance/mixture : Air freshener.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Distributor:  
Rituals Cosmetics Enterprise  
P.O. Box 15500 | 1001 NA Amsterdam  
Herengracht 541 | 1017 BW Amsterdam, The Netherlands  
SDS Contact: [qualityenquiries@rituals.com](mailto:qualityenquiries@rituals.com)  
Phone Number: +31 (0)20 333 91 00 (9:00-17:00)

#### 1.4. Emergency telephone number

Members of the public - For medical advice contact:  
NHS 111 in England: 111, NHS 24 in Scotland: 111, NHS Direct in Wales: 111 or 0845 4647  
Health Professionals: consult TOXBASE

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 3	H412

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

##### Adverse physicochemical, human health and environmental effects

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



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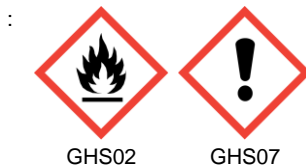
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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

Contains

: Danger  
: 4-tert-butylcyclohexyl acetate, reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 3-p-cumenyl-2-methylpropionaldehyde, reaction mass of cyclohexanepropanol, 2,2,6-trimethyl-a-propyl-, (alpha.R,1R,6S)- and cyclohexanepropanol,2,2,6-trimethyl-a-propyl-, [1a(S\*),6b]- (9CI), alpha-methyl-1,3-benzodioxole-5-propionaldehyde, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one, reaction mass of benzenepropanal, 4-ethyl-alpha,alpha-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal, [3R-(3alpha,3abeta,6alpha,7beta,8alpha)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene, 3-(p-methoxyphenyl)-2-methylpropionaldehyde

Hazard statements (CLP)

Precautionary statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.  
: P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents and container to appropriate collection point.

Extra phrases

Child-resistant fastening

Tactile warning

: Do not swallow.  
: Not applicable  
: Applicable

### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

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

## SECTION 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]
ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	60 – 70	Flam. Liq. 2, H225 Eye Irrit. 2, H319



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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-0000015458-64	1 – 1.5	Eye Irrit. 2, H319
4-tert-butylcyclohexyl acetate	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286-24	1 – 1.5	Skin Sens. 1B, H317
reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EC-No.: 915-730-3 REACH-no: 01-2119489989-04	0.5 – < 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
3-p-cumenyl-2-methylpropionaldehyde	CAS-No.: 103-95-7 EC-No.: 203-161-7 REACH-no: 01-2119970582-32	0.25 – 0.3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
reaction mass of cyclohexanepropanol, 2,2,6-trimethyl-a-propyl-, (alpha.R,1R,6S)- and cyclohexanepropanol,2,2,6-trimethyl-a-propyl-, [1a(S*),6b]- (9CI)	EC-No.: 942-425-2 REACH-no: 01-2120085416-52	0.25 – 0.3	Skin Sens. 1B, H317
α-methyl-1,3-benzodioxole-5-propionaldehyde	CAS-No.: 1205-17-0 EC-No.: 214-881-6 REACH-no: 01-2120740119-58	0.25 – 0.3	Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	CAS-No.: 33704-61-9 EC-No.: 251-649-3 REACH-no: 01-2119977131-40	0.1 – 0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
reaction mass of benzenepropanal, 4-ethyl-α,α-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal	EC-No.: 916-329-6 REACH-no: 01-2120758796-34	0.1 – 0.15	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	CAS-No.: 67874-81-1 EC-No.: 267-510-5 REACH-no: 01-2120228335-61	0.1 – 0.15	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-(p-methoxyphenyl)-2-methylpropionaldehyde	CAS-No.: 5462-06-6 EC-No.: 226-749-5 REACH-no: 01-2120629103-67	0.1 – 0.15	Skin Sens. 1B, H317

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing.



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First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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 effects, both acute and delayed

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire	: Under fire conditions, hazardous fumes will be present. Carbon oxides (CO, CO <sub>2</sub> ).

### 5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not attempt to take action without suitable protective equipment.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing vapours.
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#### 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".
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

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

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

For containment	: Collect spillage.
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

See also sections 8 and 13.



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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapours.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage.
- Incompatible products : Strong acids. Strong bases.
- Incompatible materials : Sources of ignition. Heat sources. Direct sunlight.

#### 7.3. Specific end use(s)

See section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 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

ethanol (64-17-5)	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	1900 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l



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ethanol (64-17-5)	
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.6 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.63 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	720 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	580 mg/l
<b>PNEC (additional information)</b>	
Intermittent release	2.75 mg/l

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Safety goggles with side protection against splashes (UNE-EN 166:2002)

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves. Wear suitable gloves resistant to chemical penetration.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product.



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: > 35 °C
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: < 23 °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 20°C	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Vapour density	: 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

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong reducing agents. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under fire conditions, hazardous fumes will be present. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides.



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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met.)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met.)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met.)

ethanol (64-17-5)	
LD50 oral	10470 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat	30000 mg/m <sup>3</sup>

tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) (63500-71-0)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight OECD 402

4-tert-butylcyclohexyl acetate (32210-23-4)	
LD50 oral rat	300 – 2000 mg/kg bodyweight OECD 420

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	
LD50 oral rat	> 5000 mg/kg bodyweight OECD 401
LD50 dermal rat	> 5000 mg/kg bodyweight OECD 402
LD50 dermal rabbit	> 5000 mg/kg

3-p-cumenyl-2-methylpropionaldehyde (103-95-7)	
LD50 oral rat	2000 – 5000 mg/kg bodyweight OECD 401
LD50 dermal rat	> 5000 mg/kg bodyweight

α-methyl-1,3-benzodioxole-5-propionaldehyde (1205-17-0)	
LD50 oral rat	3561 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight OECD 402

1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one (33704-61-9)	
LD50 oral rat	2900 mg/kg bodyweight

reaction mass of benzenepropanal, 4-ethyl-α,α-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg

[3R-(3α,3αβ,6α,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (67874-81-1)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met.)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met.)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met.)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)





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### ethanol (64-17-5)

NOAEL (oral, rat, 90 days) 1730 mg/kg bodyweight/day

### tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) (63500-71-0)

NOAEL (oral, rat, 90 days) 125 mg/kg bodyweight OECD 407

NOAEL (dermal, rat/rabbit, 90 days) 1000 mg/kg bodyweight OECD 411

### reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

NOAEL (oral, rat, 90 days) 120 mg/kg bodyweight OECD 408

NOAEL (dermal, rat/rabbit, 90 days) 250 mg/kg bodyweight OECD 411

### reaction mass of benzenepropanal, 4-ethyl- $\alpha,\alpha$ -dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal

NOAEL (oral, rat, 90 days) 300 mg/kg bodyweight OECD 422

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met.)  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### ethanol (64-17-5)

LC50 - Fish [1] 11200 mg/l

EC50 - Other aquatic organisms [1] 5012 mg/l (48 h - Freshwater)

EC50 - Other aquatic organisms [2] 857 mg/l

EC50 72h - Algae [1] 275 mg/l (EC50/LC50 Freshwater)

EC50 72h - Algae [2] 1970 mg/l (EC50/LC50 Marine water)

NOEC chronic algae 11.5 mg/l (EC10/LC10 Freshwater)

EC10/LC10, Marine water 1580 mg/l

### tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) (63500-71-0)

EC50 - Crustacea [1]  $\approx$  320 mg/l 48 h; Daphnia magna

EC50 72h - Algae [1] > 100 mg/l 72 h; Desmodesmus subspicatus

### 4-tert-butylcyclohexyl acetate (32210-23-4)

LC50 - Fish [1] 8.6 mg/l Cyprinus carpio

EC50 - Crustacea [1] 5.3 mg/l Daphnia magna

EC50 72h - Algae [1] 22 mg/l Desmodesmus subspicatus

### reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

LC50 - Fish [1] 1.3 mg/l Lepomis macrochirus



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### reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

EC50 - Crustacea [1]	1.38 mg/l Daphnia magna
EC50 72h - Algae [1]	> 2.6 mg/l Desmodesmus subspicatus

### 3-p-cumenyl-2-methylpropionaldehyde (103-95-7)

LC50 - Fish [1]	1.42 mg/l
LC50 - Fish [2]	2.49 mg/l
EC50 - Crustacea [1]	1.4 mg/l Daphnia magna
EC50 72h - Algae [1]	4.3 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	2.7 mg/l Pseudokirchneriella subcapitata
EC50 96h - Algae [1]	3.8 mg/l Pseudokirchneriella subcapitata
EC50 96h - Algae [2]	2.7 mg/l Pseudokirchneriella subcapitata

### $\alpha$ -methyl-1,3-benzodioxole-5-propionaldehyde (1205-17-0)

LC50 - Fish [1]	5.3 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	8.3 mg/l Daphnia magna
EC50 72h - Algae [1]	28 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	14 mg/l Pseudokirchneriella subcapitata

### reaction mass of benzenepropanal, 4-ethyl- $\alpha,\alpha$ -dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal

LC50 - Fish [1]	> 0.7 mg/l 96 h; Oncorhynchus mykiss
EC50 - Crustacea [1]	0.87 mg/l 48 h; Daphnia magna
EC50 - Crustacea [2]	2 mg/l 48 h; Daphnia magna
EC50 72h - Algae [1]	> 1.2 mg/l 72 h; Pseudokirchneriella subcapitata

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

### ethanol (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0.32
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## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

### THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS

PBT: not yet assessed

vPvB: not yet assessed

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to appropriate collection point.
Additional information	: Flammable vapours may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.

### SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1170	UN 1170	UN 1170	UN 1170	UN 1170
<b>14.2. UN proper shipping name</b>				
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	Ethanol solution	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>Transport document description</b>				
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II	UN 1170 Ethanol solution, 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (2,6-dimethylhept-5-enal ; ethanol ; ethanol), 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 144, 601
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF

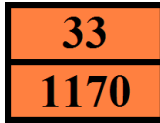


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Vehicle for tank carriage : FL  
Transport category (ADR) : 2  
Special provisions for carriage - Operation (ADR) : S2, S20  
Hazard identification number (Kemler No.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E

### Transport by sea

Special provisions (IMDG) : 144  
Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : A  
Properties and observations (IMDG) : Colourless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19% Miscible with water.

### Air transport

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y341  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 353  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3, A58, A180  
ERG code (IATA) : 3L

### Inland waterway transport

Classification code (ADN) : F1  
Special provisions (ADN) : 144, 601  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : F1  
Special provisions (RID) : 144, 601  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE7  
Hazard identification number (RID) : 33



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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 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)

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(a)	THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS ; ethanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

# THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS

## Safety Data Sheet

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### EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(b)	THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS ; ethanol ; tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) ; 4-tert-butylcyclohexyl acetate ; reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; 3-p-cumenyl-2-methylpropionaldehyde ; reaction mass of cyclohexanepropanol, 2,2,6-trimethyl-a-propyl-, (alpha.R,1R,6S)- and cyclohexanepropanol,2,2,6-trimethyl-a-propyl-, [1a(S*),6b]- (9CI) ; alpha-methyl-1,3-benzodioxole-5-propionaldehyde ; 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one ; reaction mass of benzenepropanal, 4-ethyl-alpha,alpha-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal ; [3R-(3alpha,3a,beta,6alpha,7beta,8alpha)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene ; 3-(p-methoxyphenyl)-2-methylpropionaldehyde	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

# THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS ; reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; 3-p-cumenyl-2-methylpropionaldehyde ; $\alpha$ -methyl-1,3-benzodioxole-5-propionaldehyde ; 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one ; reaction mass of benzenepropanal, 4-ethyl- $\alpha,\alpha$ -dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal ; [3R-(3 $\alpha$ ,3 $\alpha\beta$ ,6 $\alpha$ ,7 $\beta$ ,8 $\alpha\alpha$ )]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	ethanol	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

**For the following substances of this mixture a chemical safety assessment has been carried out:**

ethanol

tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)

4-tert-butylcyclohexyl acetate

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

3-p-cumenyl-2-methylpropionaldehyde

reaction mass of cyclohexanepropanol, 2,2,6-trimethyl-a-propyl-, (alpha.R,1R,6S)- and cyclohexanepropanol,2,2,6-trimethyl-a-propyl-, [1a(S\*),6b]- (9CI)

α-methyl-1,3-benzodioxole-5-propionaldehyde

1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one

reaction mass of benzenepropanal, 4-ethyl-α,α-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal

[3R-(3α,3αβ,6α,7β,8αα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

3-(p-methoxyphenyl)-2-methylpropionaldehyde

## SECTION 16: Other information

### Indication of changes

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Modified	
	Issue date	Modified	
1.1	Trade name	Modified	
6.1	General measures	Added	
6.2	Environmental precautions	Modified	
6.3	For containment	Added	
7.2	Storage conditions	Modified	
8.2	Hand protection	Modified	
8.2	Eye protection	Modified	
10.6	Hazardous decomposition products	Modified	

### 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
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods



# THE RITUAL OF COTTON BLOSSOM FRAGRANCE STICKS

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### Abbreviations and acronyms:

LC50	Median lethal concentration
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. SDS EU format according to COMMISSION REGULATION (EU) 2020/878.

Other information : Refer to the safety data sheet before handling or disposing.

### Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.