

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



Glade® PlugIns® Scented Oil - Clean Linen

Version 1.0

Revision Date 08.04.2014

Print Date 14.06.2017

Specification Number: 350000004661

SITE FORM Number:
300000000000000003975.003

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier** : Glade® PlugIns® Scented Oil - Clean Linen

- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - Use of the Substance/Mixture** : Air care products

 - Uses advised against** : None known.

- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Ltd.
Frimley Green
Camberley

GU16 7AJ

- Telephone** : +441276852000

- E-mail address** : ask.uk@scj.com

- 1.4 Emergency telephone number** : Consumer Care Center:
UK - 0800 353 353
Ireland - 1800 409 176

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Hazard classification	Hazard category	Hazards identification
Skin sensitisation	Category 1B	May cause an allergic skin reaction.
Chronic aquatic toxicity	Category 3	Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard symbols



Signal word

Warning

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Hazard statements

(H317) May cause an allergic skin reaction.
(H412) Harmful to aquatic life with long lasting effects.

Precautionary statements

(P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(P302 + P352) IF ON SKIN: Wash with plenty of soap and water.
(P333 + P313) If skin irritation or rash occurs: Get medical advice/ attention.
(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P301 + P312) IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
(P280) Wear protective gloves.

Additional Labelling

Use only as directed.
Do not touch device with metal instruments or wet hands.
Do not allow materials of any kind to cover the device while it is in use.
The device may become slightly warm while in use.
Unplug when the bottle is empty, replace the bottle only when device is unplugged.
If spilled, wipe up the perfume immediately
Some fragrances damage certain surfaces.
Do not place on or use within 50 cm of plastic, painted or polished surfaces.
Never plug another appliance or cable in an outlet above the warmer device.
Retain the outer carton for full use and safety instructions.
Do not touch the wick
For cleaning, unplug the device and use a dry cloth or paper towel.
Wash and dry hands after handling product.
People suffering from perfume sensitivity should be cautious when using this product.
Air fresheners do not replace good hygiene practices.

Contains

3-p-cumenyl-2-methylpropionaldehyde
pentadecan-15-olide
Ionone, methyl-
Citral
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
d-Limonene
2-(4-tert-butylbenzyl)propionaldehyde
Methoxy dicyclopentadiene carboxaldehyde
May produce an allergic reaction.

2.3 Other hazards : None identified

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Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	2500-83-6/219-700-4	-	Chronic aquatic toxicity Category 3 H412	>= 5.00 - < 10.00
2-tert-butylcyclohexyl acetate	88-41-5/201-828-7	-	Chronic aquatic toxicity Category 2 H411	>= 1.00 - < 5.00
linalool	78-70-6/201-134-4	-	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319 Acute toxicity Category 4 H332	>= 1.00 - < 5.00
2,6-dimethyloct-7-en-2-ol	18479-58-8/242-362-4	-	Eye irritation Category 2 H319	>= 1.00 - < 5.00
oxydipropanol	25265-71-8/246-770-3	01-2119456811-38		>= 1.00 - < 5.00
alpha,alpha-dimethylphenethyl acetate	151-05-3/205-781-3	-	Chronic aquatic toxicity Category 3 H412	>= 1.00 - < 5.00
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	17511-60-3/241-514-7	-	Eye irritation Category 2B H319 Chronic aquatic toxicity Category 2 H411	>= 1.00 - < 5.00
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5/204-846-3	-	Skin irritation Category 2 H315	>= 1.00 - < 5.00

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			Skin sensitisation Category 1B H317 Chronic aquatic toxicity Category 2 H411	
4-tert-butylcyclohexyl acetate	32210-23-4/250-954-9	-	Chronic aquatic toxicity Category 2 H411 Skin sensitisation Category 1B H317	>= 1.00 - < 5.00
undecan-4-olide	104-67-6/203-225-4	-	Chronic aquatic toxicity Category 3 H412	>= 0.50 - < 1.00
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2/259-174-3	-	Skin irritation Category 2 H315 Skin sensitisation Category 1 H317 Chronic aquatic toxicity Category 1 H410 Acute aquatic toxicity Category 1 H400	>= 0.50 - < 1.00
allyl heptanoate	142-19-8/205-527-1	-	Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 3 H412 Acute toxicity Category 4 H302 Acute toxicity Category 3 H311 Specific target organ toxicity - repeated exposure Category 2 H373	>= 0.50 - < 1.00

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2-(4-tert-butylbenzyl)propionaldehyde	80-54-6/201-289-8	-	Chronic aquatic toxicity Category 2 H411 Reproductive toxicity Category 2 H361 Skin irritation Category 2 H315 Skin sensitisation Category 1 H317 Acute toxicity Category 4 H302	>= 0.50 - < 1.00
Ionone, methyl-	1335-46-2/215-635-0	-	Chronic aquatic toxicity Category 2 H411 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319	>= 0.50 - < 1.00
3-p-cumenyl-2-methylpropionaldehyde	103-95-7/203-161-7	-	Skin corrosion/irritation Category 2 H315 Skin sensitisation Category 1B H317	>= 0.10 - < 0.50
Citral	5392-40-5/226-394-6	-	Skin irritation Category 2 H315 Skin sensitisation Category 1 H317 Eye irritation Category 2A H319	>= 0.10 - < 0.50
Methoxy dicyclopentadiene carboxaldehyde	86803-90-9/429-860-9	-	Eye irritation Category 2A H319 Skin sensitisation Category 1B	>= 0.10 - < 0.50

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			H317 Chronic aquatic toxicity Category 2 H411	
pentadecan-15-olide	106-02-5/203-354-6	-	Skin sensitisation Category 1B H317 Chronic aquatic toxicity Category 2 H411	>= 0.10 - < 0.50
2-tert-pentylcyclohexyl acetate	67874-72-0/267-500-0	-	Chronic aquatic toxicity Category 2 H411	>= 0.10 - < 0.50
d-Limonene	5989-27-5/227-813-5	-	Flammable liquids Category 3 H226 Skin irritation Category 2 H315 Skin sensitisation Category 1 H317 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410	>= 0.10 - < 0.50
β-methyl-3-(1-methylethyl)benzenepropanal	125109-85-5/412-050-4	-	Chronic aquatic toxicity Category 2 H411	>= 0.10 - < 0.50
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6/248-908-8	-	Acute aquatic toxicity Category 1 H400 Serious eye damage/eye irritation Category 2A H319 Chronic aquatic toxicity Category 1 H410	>= 0.10 - < 0.50

Additional Information

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For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation : No special requirements
- Skin contact : Take off all contaminated clothing immediately.
Wash off with soap and plenty of water.
Get medical attention if irritation develops and persists.
Wash contaminated clothing before re-use.
- Eye contact : Rinse with plenty of water.
Get medical attention if irritation develops and persists.
- Ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

- Eyes : May irritate eyes.
No adverse effects expected when used as directed.
- Skin effect : May cause allergic skin reaction.
No adverse effects expected when used as directed.
- Inhalation : No adverse effects expected when used as directed.
- Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
No adverse effects expected when used as directed.

4.3 Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : None identified

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- 5.2 Special hazards arising from the substance or mixture** : In case of fire and/or explosion do not breathe fumes.
Exposure to decomposition products may be a hazard to health.
- Advice for firefighters : In the event of fire, wear self-contained breathing apparatus.
Wear suitable protective clothing and gloves.
Refer to current EN or National standard as appropriate.
- 5.3 Further information** : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
- 6.2 Environmental precautions** : Prevent product from entering drains.
Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
Use appropriate containment to avoid environmental contamination.
- 6.3 Methods and materials for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Clean residue from spill site.
Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** : For personal protection see section 8.
For disposal considerations see section 13.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : For personal protection see section 8.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Wear personal protective equipment.
Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities** : Do not freeze.
Keep out of the reach of children.
Store away from food, beverages and pet food.
No decomposition if stored and applied as directed.

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7.3 Specific end use(s) : Consumer uses: Private households (= general public = consumers)
Air care products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Contains no substances with occupational exposure limit values.

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear suitable gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.
- Eye/face protection : No special requirements.
- Skin and body protection : Wash contaminated clothing before re-use.
- Other information : When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
- Environmental Exposure Controls : Refer to section 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : yellow
- Odour : Functional
- Odour Threshold : no data available
- pH : no data available
- Melting point/freezing point : no data available
- Initial boiling point and boiling range : no data available

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Flash point	:	78 °C	
Evaporation rate	:	no data available	
Flammability (solid, gas)	:	Sustains combustion	
Upper/lower flammability or explosive limits	:	no data available	
Vapour pressure	:	no data available	
Vapour density	:	no data available	
Relative density	:	0.9790 g/cm3 at 25 °C	
Solubility(ies)	:	negligible	
Partition coefficient: n-octanol/water	:	no data available	
Auto-ignition temperature	:	no data available	
Decomposition temperature	:	no data available	
Viscosity, dynamic	:	no data available	
Viscosity, kinematic	:	no data available	
Explosive properties	:	no data available	
Oxidizing properties	:		
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

10.1 Reactivity	:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability	:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	:	None known.
10.4 Conditions to avoid	:	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	:	None known.
10.6 Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute oral toxicity**

Name	Method	Species	Dose
Product	LD50 estimated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 estimated		> 5 mg/l	4 h

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 estimated		> 2,000 mg/kg

Acute oral toxicity

Name	Method	Species	Dose
tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	EU CLP LD50 Measured	rat	> 5,000 mg/kg
2-tert-butylcyclohexyl acetate	EU CLP LD50 Measured	rat	4,600 mg/kg
linalool	EU CLP LD50	rat	2,790 mg/kg
2,6-dimethyloct-7-en-2-ol	EU CLP LD50	rat	3.6 g/kg
oxydipropanol	EU CLP LD50	rat	> 5 g/kg
alpha,alpha-dimethylphenethyl acetate	EU CLP LD50 Measured	rat	3,300 mg/kg
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	EU CLP LD50 Measured	rat	> 5,000 mg/kg
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	EU CLP LD50 Measured	rat	> 5,000 mg/kg
4-tert-butylcyclohexyl acetate	EU CLP LD50	rat	3,370 mg/kg
undecan-4-olide	EU CLP LD50 Measured	rat	18,500 mg/kg
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EU CLP LD50 Measured	rat	> 5,000 mg/kg
allyl heptanoate	EU CLP LD50	rat	327 mg/kg

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2-(4-tert-butylbenzyl)propionaldehyde	EU CLP LD50	rat	1,390 mg/kg
Ionone, methyl-	EU CLP LD50	rat	> 2,000 mg/kg
3-p-cumenyl-2-methylpropionaldehyde	EU CLP LD50	rat	3,810 mg/kg
Citral	EU CLP LD50	rat	6,800 mg/kg
Methoxy dicyclopentadiene carboxaldehyde	EU CLP LD50 Measured	rat	2,800 mg/kg
pentadecan-15-olide	EU CLP LD50 Measured	rat	> 5,000 mg/kg
2-tert-pentylcyclohexyl acetate	EU CLP LD50 Measured	rat	> 5,000 mg/kg
d-Limonene	EU CLP LD50	rat	> 2,000 mg/kg
β-methyl-3-(1-methylethyl)benzenepropanal	EU CLP LD50	rat	> 2,000 mg/kg
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	EU CLP LD50	rat	> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
linalool	LC50	mouse	3.2 mg/l	1 h

Acute dermal toxicity

Name	Method	Species	Dose
tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	EU CLP LD50	rat	> 2,000 mg/kg
2-tert-butylcyclohexyl acetate	EU CLP LD50	rabbit	> 5,000 mg/kg
linalool	EU CLP LD50	rabbit	5,610 mg/kg
2,6-dimethyloct-7-en-2-ol	EU CLP LD50	rabbit	> 5 g/kg
oxydipropanol	EU CLP LD50	rabbit	> 5,010 mg/kg
alpha,alpha-dimethylphenethyl acetate	EU CLP LD50	rabbit	> 3,000 mg/kg
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	EU CLP LD50	rabbit	> 5,000 mg/kg
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	EU CLP LD50	rabbit	> 5,000 mg/kg
4-tert-butylcyclohexyl acetate	EU CLP LD50	rabbit	> 4,680 mg/kg
undecan-4-olide	EU CLP LD50	rat	> 2,000 mg/kg
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	EU CLP LD50	rat	> 5,000 mg/kg

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allyl heptanoate	EU CLP LD50	rabbit	810 mg/kg
2-(4-tert-butylbenzyl)propionaldehyde	EU CLP LD50	rat	> 2,000 mg/kg
Ionone, methyl-	EU CLP LD50	rabbit	> 5,000 mg/kg
3-p-cumenyl-2-methylpropionaldehyde	EU CLP LD50	rat	> 5,000 mg/kg
Citral	EU CLP LD50	rat	> 2,000 mg/kg
Methoxy dicyclopentadiene carboxaldehyde	EU CLP LD50	rabbit	> 2,000 mg/kg
pentadecan-15-olide	EU CLP LD50	rabbit	> 5,000 mg/kg
2-tert-pentylcyclohexyl acetate	EU CLP LD50	rabbit	> 5,000 mg/kg
d-Limonene	LD50	rabbit	> 5 g/kg
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	EU CLP LD50	rat	>5 mL/kg

- Skin corrosion/irritation : Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.
- Skin sensitisation : May cause an allergic skin reaction.
- Germ cell mutagenicity : Based on available data, the classification criteria are not met.
- Carcinogenicity : Based on available data, the classification criteria are not met.
- Toxicity for reproduction : Based on available data, the classification criteria are not met.
- STOT - single exposure : Based on available data, the classification criteria are not met.
- STOT - repeated exposure : Based on available data, the classification criteria are not met.
- Aspiration hazard : Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION**Product** : The product itself has not been tested.**12.1 Toxicity**

Components	Acute aquatic toxicity	M-Factor	Chronic aquatic toxicity	M-Factor
tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	No classification proposed		Harmful to aquatic life with long lasting effects.	
2-tert-butylcyclohexyl	No classification proposed		Toxic to aquatic life with	

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acetate			long lasting effects.	
linalool	No classification proposed		No classification proposed	
2,6-dimethyloct-7-en-2-ol	No classification proposed		No classification proposed	
oxydipropanol	No classification proposed		No classification proposed	
alpha,alpha-dimethylphenethyl acetate	No classification proposed		Harmful to aquatic life with long lasting effects.	
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No classification proposed		Toxic to aquatic life with long lasting effects.	
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	No classification proposed		Toxic to aquatic life with long lasting effects.	
4-tert-butylcyclohexyl acetate	No classification proposed		Toxic to aquatic life with long lasting effects.	
undecan-4-olide	No classification proposed		Harmful to aquatic life with long lasting effects.	
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Very toxic to aquatic life.	1	Very toxic to aquatic life with long lasting effects.	1
allyl heptanoate	Very toxic to aquatic life.	1	Harmful to aquatic life with long lasting effects.	
2-(4-tert-butylbenzyl)propionaldehyde	No classification proposed		Toxic to aquatic life with long lasting effects.	
ionone, methyl-	No classification proposed		Toxic to aquatic life with long lasting effects.	
3-p-cumenyl-2-methylpropionaldehyde	No classification proposed		No classification proposed	
Citral	No classification proposed		No classification proposed	
Methoxy dicyclopentadiene carboxaldehyde	No classification proposed		Toxic to aquatic life with long lasting effects.	
pentadecan-15-olide	No classification proposed		Toxic to aquatic life with long lasting effects.	
2-tert-pentylcyclohexyl acetate	No classification proposed		Toxic to aquatic life with long lasting effects.	
d-Limonene	Very toxic to aquatic life.	1	Very toxic to aquatic life with long lasting effects.	1

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β-methyl-3-(1-methylethyl)benzenepropanal	No classification proposed		Toxic to aquatic life with long lasting effects.	
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Very toxic to aquatic life.	1	Very toxic to aquatic life with long lasting effects.	1

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
tricyclo[5.2.1.0.2,6]dec-4-en-8-yl acetate	no data available		
2-tert-butylcyclohexyl acetate	no data available		
linalool	64.2 %	28 d	Readily biodegradable.
2,6-dimethyloct-7-en-2-ol	72 %	28 d	Readily biodegradable.
oxydipropanol	84.4 %	28 d	Readily biodegradable.
alpha,alpha-dimethylphenethyl acetate	no data available		
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	no data available		
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	no data available		
4-tert-butylcyclohexyl acetate	75 %	29 d	Readily biodegradable.
undecan-4-olide	82 % 99.7 % 74 %	28 d 28 d 28 d	Readily biodegradable.
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	0 %	28 d	Not readily biodegradable.
allyl heptanoate	81 %	28 d	Readily biodegradable.
2-(4-tert-butylbenzyl)propionaldehyde	84 %	28 d	Readily biodegradable.
Ionone, methyl-	76 %	28 d	Readily biodegradable.
3-p-cumenyl-2-methylpropionaldehyde	65.5 %	28 d	Readily biodegradable.
Citral	85 - 95 %	28 d	Readily biodegradable.

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Methoxy dicyclopentadiene carboxaldehyde	no data available		
pentadecan-15-olide	90 % 71 % 45 %	28 d 28 d 10 d	Not readily biodegradable.
2-tert-pentylcyclohexyl acetate	no data available		
d-Limonene	80 %	28 d	Readily biodegradable.
β-methyl-3-(1-methylethyl)benzenepropanal	74 %	28 d	Readily biodegradable.
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	0 %	28 d	Not readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	no data available	no data available
2-tert-butylcyclohexyl acetate	no data available	no data available
linalool	no data available	2.84 - 3.1
2,6-dimethyloct-7-en-2-ol	64.8	3.25
oxydipropanol	0.3 - 1.4	-0.462
alpha,alpha-dimethylphenethyl acetate	no data available	
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	no data available	no data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	no data available	no data available
4-tert-butylcyclohexyl acetate	234	4.8
undecan-4-olide	no data available	3.6
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	850	no data available
allyl heptanoate	193.2	3.97
2-(4-tert-butylbenzyl)propionaldehyde	274.3	4.2
ionone, methyl-	586.2	> 4.5 - < 5
3-p-cumenyl-2-	no data available	3.4

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methylpropionaldehyde		
Citral	89.72	2.76
Methoxy dicyclopentadiene carboxaldehyde	no data available	no data available
pentadecan-15-olide	598.9	5.79
2-tert-pentylcyclohexyl acetate	no data available	
d-Limonene	360.5	4.38
β-methyl-3-(1-methylethyl)benzenepropanal	no data available	3.1
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	65	no data available

12.4 Mobility

Component	End point	Value
tricyclo[5.2.1.0 ^{2,6}]dec-4-en-8-yl acetate		no data available
2-tert-butylcyclohexyl acetate		no data available
linalool		no data available
2,6-dimethyloct-7-en-2-ol	log Koc	2.25
oxydipropanol		no data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		no data available
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		no data available
4-tert-butylcyclohexyl acetate	log Koc	> 3.51 - < 3.66
undecan-4-olide		no data available
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		no data available
allyl heptanoate	log Koc	2.33
2-(4-tert-butylbenzyl)propionaldehyde	log Koc	3.11
Ionone, methyl-	log Koc	3.014
3-p-cumenyl-2-methylpropionaldehyde	log Koc	3.05
Citral	log Koc	2.169
Methoxy dicyclopentadiene carboxaldehyde		no data available

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pentadecan-15-olide	log Koc	4.65
d-Limonene	Koc	6324
β-methyl-3-(1-methylethyl)benzenepropanal	log Koc	2.87
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Koc	827.1

12.5 PBT and vPvB assessment

Component	Results
tricyclo[5.2.1.0 _{2,6}]dec-4-en-8-yl acetate	Not fulfilling PBT and vPvB criteria
2-tert-butylcyclohexyl acetate	Not fulfilling PBT and vPvB criteria
linalool	Not fulfilling PBT and vPvB criteria
2,6-dimethyloct-7-en-2-ol	Not fulfilling PBT and vPvB criteria
oxydipropanol	Not fulfilling PBT and vPvB criteria
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	Not fulfilling PBT and vPvB criteria
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Not fulfilling PBT and vPvB criteria
4-tert-butylcyclohexyl acetate	Not fulfilling PBT and vPvB criteria
undecan-4-olide	Not fulfilling PBT and vPvB criteria
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Not fulfilling PBT and vPvB criteria
allyl heptanoate	Not fulfilling PBT and vPvB criteria
2-(4-tert-butylbenzyl)propionaldehyde	Not fulfilling PBT and vPvB criteria
Ionone, methyl-	Not fulfilling PBT and vPvB criteria
3-p-cumenyl-2-methylpropionaldehyde	Not fulfilling PBT and vPvB criteria
Citral	Not fulfilling PBT and vPvB criteria
Methoxy dicyclopentadiene	Not fulfilling PBT and vPvB criteria

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carboxaldehyde	
pentadecan-15-olide	The substance is not PBT The substance is not vPvB
d-Limonene	Not fulfilling PBT and vPvB criteria
β -methyl-3-(1-methylethyl)benzenepropanal	Not fulfilling PBT and vPvB criteria
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Not fulfilling PBT and vPvB criteria

12.6 Other adverse effects : None known.**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Disposal should be in accordance with local, state or national legislation.
Please recycle empty packaging.

Packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION**Land transport**

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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16. OTHER INFORMATION

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

Further information

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.