

# SAFETY DATA SHEET

according to Global Harmonized System - China GB/T 16483



## SOFT AND FRESH LAUNDRY

Version 1.0

Revision Date 2014/01/17

Print Date 2014/01/17

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

#### 1.1 Product identifier

Sales No. : UAB17491/00  
SOFT AND FRESH LAUNDRY

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

Intended Use Fragrances : Perfume compound

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

Company :  
Givaudan Fragrances (Shanghai) Ltd.  
298, Li Shi Zhen Road  
PuDong Zhang Jiang High-Tech Park  
201203 SHANGHAI  
CHINA

Telephone : +862128931288  
Telefax : +862150271412  
E-mail address : global.msds\_fragrances\_raps@givaudan.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

+862162679090

### SECTION 2. Hazards identification

#### 2.1 Classification

##### Classification

Flammable liquids, Category 4	H227: Combustible liquid
Acute toxicity, Category 5	H303: May be harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2A	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Acute aquatic toxicity, Category 2	H401: Toxic to aquatic life.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Administrative information:

Report Information: SDS\_CN/EN/GHS\_SDS\_CN/08

Sales & Distribution Information: SH01/FR/CN10/01

Shipping Order Information: 8357758/2692030

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# Givaudan®

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### 2.2 Label elements

#### Labelling

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H227  
H303  
H304

Combustible liquid  
May be harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Toxic to aquatic life with long lasting effects.

Precautionary statements :

#### Prevention:

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264

Wash skin thoroughly after handling.

P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P331

Do NOT induce vomiting.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

#### Storage:

P403 + P235

Store in a well-ventilated place. Keep cool.

Hazardous components which must be listed on the label:

- DISTILLATES, PETROLEUM, 64742-47-8  
HYDROTREATED LIGHT(ALKANES  
C11-15-ISO)
- 2-hexyl-3-phenyl-2-propenal (trans & 101-86-0  
cis)
- BENZYL ACETATE 140-11-4
- (R)-1-methyl-4-(1-methylethenyl)-  
cyclohexene 5989-27-5

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**2.3 Other hazards**

no data available

**SECTION 3. Composition/information on ingredients**

Chemical Name	CAS-No. EC-No.	Classification (67/548/EEC)	Classification (Regulation GB13690)	Concentration [%]
2-hexyl-3-phenyl-2-propenal (trans & cis)	101-86-0 202-983-3	Xi; R38 Xi; R43	Acute toxicity 5; H303 Skin irritation 3; H316 Skin sensitisation 1B; H317 Chronic aquatic toxicity 2; H411	>= 10 - < 20
BENZYL ACETATE	140-11-4 205-399-7		Flammable liquids 4; H227 Acute toxicity 5; H303 Skin irritation 3; H316 Acute aquatic toxicity 2; H401	>= 5 - < 10
(R)-1-methyl-4-(1- methylethenyl)-cyclohexene	5989-27-5 227-813-5	R10 Xi; R38 R43 N; R50-R53 Xn; R65	Flammable liquids 3; H226 Skin irritation 2; H315 Skin sensitisation 1; H317 Aspiration hazard 1; H304 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 5 - < 10
BENZYL 2- HYDROXYBENZOATE	118-58-1 204-262-9	N; R51/53 Xi; R43	Acute toxicity 5; H303 Skin sensitisation 1B; H317 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
2-tert-butylcyclohexyl acetate	88-41-5 201-828-7	N; R51/53	Flammable liquids 4; H227 Acute toxicity 5; H303 Skin irritation 3; H316 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5

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2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4	Xi; R38	Flammable liquids 4; H227 Acute toxicity 5; H303 Skin irritation 2; H315 Eye irritation 2A; H319 Acute aquatic toxicity 3; H402	>= 1 - < 5
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)pent-1-en-3-one	1335-46-2 215-635-0	Xi; R36/38 N; R51/53	Skin irritation 2; H315 Eye irritation 2B; H320 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
A mixture of cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	63500-71-0 405-040-6	Xi; R36	Eye irritation 2A; H319	>= 1 - < 5
3,7-dimethyl-1,6-octadien-3-ol (linalool)	78-70-6 201-134-4	Xi; R38	Flammable liquids 4; H227 Acute toxicity 5; H303 Skin irritation 2; H315 Eye irritation 2A; H319 Acute aquatic toxicity 3; H402	>= 1 - < 5
2-phenylethanol	60-12-8 200-456-2	Xi; R36	Acute toxicity 5; H303 Eye irritation 2A; H319	>= 1 - < 5
3-CYCLOHEXENE-1-CARBOXALDEHYDE, 4-(4-HYDROXY-4-METHYLPENTYL)-	31906-04-4 250-863-4	Xi; R43 R52/53	Skin irritation 3; H316 Skin sensitisation 1B; H317 Acute aquatic toxicity 3; H402 Chronic aquatic toxicity 3; H412	>= 1 - < 5
3,7-dimethyl-6-octen-1-ol (citronellol)	106-22-9 203-375-0	N; R51/53 Xi; R43-R38	Acute toxicity 5; H303 Acute toxicity 5; H313 Skin irritation 2; H315 Eye irritation 2A; H319 Skin sensitisation 1B; H317 Acute aquatic toxicity 2; H401	>= 1 - < 5
HEXYL 2-HYDROXYBENZOATE	6259-76-3 228-408-6	N; R50/53 Xi; R38 Xi; R43	Skin irritation 2; H315 Eye irritation 2A; H319 Skin sensitisation 1; H317 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 1 - < 5
7-HYDROXY-3,7-DIMETHYLOCTAN-1-AL	107-75-5 203-518-7	Xi; R43-R36	Skin irritation 3; H316 Eye irritation 2A; H319 Skin sensitisation 1B; H317	>= 1 - < 5

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2-(4-methylcyclohex-3-en-1-yl)propan-2-ol (terpineol)	8000-41-7 232-268-1	Xi; R36/38	Flammable liquids 4; H227 Acute toxicity 5; H303 Skin irritation 2; H315 Eye irritation 2A; H319 Acute aquatic toxicity 2; H401	>= 1 - < 5
hexyl acetate	142-92-7 205-572-7	R10 N; R51/53	Flammable liquids 3; H226 Skin irritation 3; H316 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
3-METHYL-5-PHENYL-1-PENTANOL	55066-48-3 259-461-3	Xn; R22	Acute toxicity 4; H302 Acute toxicity 5; H313	>= 1 - < 5
3-HEPTEN-2-ONE, 3,4,5,6,6-PENTAMETHYL-, (MAIN ISOMER)	81786-73-4 279-822-9	R52/53	Acute aquatic toxicity 3; H402 Chronic aquatic toxicity 3; H412	>= 1 - < 5
3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL	1205-17-0 214-881-6	Xi; R43 N; R51/53	Acute toxicity 5; H303 Skin sensitisation 1B; H317 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
2-methyl-3-(4-isopropylphenyl)propanal	103-95-7 203-161-7	N; R51/53 Xi; R38 Xi; R43	Acute toxicity 5; H303 Skin irritation 2; H315 Skin sensitisation 1B; H317 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
3,7-dimethyl-1,6-octadien-3-yl acetate (linalyl acetate)	115-95-7 204-116-4	Xi; R38	Flammable liquids 4; H227 Skin irritation 2; H315 Eye irritation 2A; H319 Acute aquatic toxicity 2; H401	>= 1 - < 5
4-undecanolide	104-67-6 203-225-4	N; R51/53	Skin irritation 3; H316 Acute aquatic toxicity 2; H401	>= 1 - < 5
3,7-dimethyl-2,6-octadienyl acetate (geranyl acetate)	105-87-3 203-341-5	N; R51/53	Skin irritation 3; H316 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 1 - < 5
ETHYL 2-METHYL-1,3-DIOXOLANE-2-ACETATE	6413-10-1 229-114-0		Flammable liquids 4; H227 Skin irritation 3; H316	>= 1 - < 5

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2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethylnaphthalene (main isomer)	54464-57-2 259-174-3	Xi; R38 Xi; R43 N; R51/53	Skin irritation 2; H315 Skin sensitisation 1; H317 Acute aquatic toxicity 2; H401 Chronic aquatic toxicity 2; H411	>= 0,1 - < 1
2-propenyl heptanoate (allyl heptanoate)	142-19-8 205-527-1	Xn; R21/22 Xi; R38 Xn; R48/22 N; R50/53	Flammable liquids 4; H227 Acute toxicity 4; H302 Acute toxicity 3; H311 Skin irritation 2; H315 Eye irritation 2A; H319 Specific target organ toxicity - repeated exposure 2; H373 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 0,1 - < 1
2-(2-(4-methyl-3-cyclohexen-1-yl)propyl)cyclopentanone	95962-14-4 404-240-0	N; R50/53	Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 0,1 - < 1
2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL)-2-BUTEN-1-OL (MAIN COMPONENT)	28219-61-6 248-908-8	Xi; R36 N; R50/53	Eye irritation 2A; H319 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 0,1 - < 1
3-methylbut-1-yl acetate	123-92-2 204-662-3	R10 R66	Flammable liquids 3; H226	>= 0,1 - < 1
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (Betalpinene)	127-91-3 204-872-5	R10 Xi; R38 Xi; R43 Xn; R65	Flammable liquids 3; H226 Skin irritation 2; H315 Skin sensitisation 1B; H317 Aspiration hazard 1; H304	>= 0,1 - < 1
2,6,6,8-tetramethyl-9-acetyl-tricyclo{5.3.1.0(1,5)}undec-8-ene	32388-55-9 251-020-3	Xi; R43 N; R50/53	Skin irritation 3; H316 Skin sensitisation 1B; H317 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	>= 0,1 - < 1
(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	106-24-1 203-377-1	Xi; R38 Xi; R41 Xi; R43	Acute toxicity 5; H303 Skin irritation 2; H315 Serious eye damage 1; H318 Skin sensitisation 1; H317 Acute aquatic toxicity 2; H401	>= 0,1 - < 1

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1-(3-methyl-2-benzofuranyl)ethanone	23911-56-0 429-100-6	N; R50/53 Xn; R22	Acute toxicity 4; H302 Skin irritation 3; H316 Acute aquatic toxicity 1; H400 Chronic aquatic toxicity 1; H410	$\geq 0,02 - < 0,1$
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Hydrocarbons : 19,2 %

### SECTION 4. First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

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

- Symptoms : no data available  
Risks : no data available

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

Treatment : no data available

## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry chemical  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Water spray

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

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.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6. Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

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Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

not applicable

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

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Further information on storage conditions : no data available  
Advice on common storage : no data available  
Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

not applicable

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
3-methylbut-1-yl acetate	123-92-2	PC-TWA	100 mg/m3	27-04-2007	GBZ 2.1-2007
		PC-STEL	200 mg/m3	27-04-2007	GBZ 2.1-2007

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

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### SECTION 9. Physical and chemical properties

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

Physical state	: liquid
Form	: liquid
Colour	: Very slightly yellow to Pale yellow
Taste	: not determined
Odour	: fruity, Floral, woody
Odour Threshold	: not applicable
Flash point	: 78 °C Method: Grabner miniflash closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: not applicable
Oxidizing properties	: no data available
Auto-ignition temperature	: not determined
Decomposition temperature	: no data available
pH	: not determined
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: 0,2418 hPa at 20 °C Calculated (99,8 %)
Density	: 923,97 kg/m <sup>3</sup> at 20 °C
Bulk density	: not applicable
Water solubility	: not determined
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: not applicable
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available

### SECTION 10. Stability and reactivity

#### 10.1 Reactivity

none

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

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### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** : Acute toxicity estimate  
Dose: 4 443 mg/kg  
Method: Calculation method

<b>Acute oral toxicity</b> 2-hexyl-3-phenyl-2-propenal (trans & cis)	: LD50: 3 100 mg/kg	Species: rat
	LD50: 2 300 mg/kg	Species: mouse
BENZYL ACETATE	: LD50: 2 200 mg/kg	Species: rabbit
	LD50: 2 490 mg/kg	Species: rat
	LD50: 830 mg/kg	Species: mouse
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	: LD50: 4 400 mg/kg	Species: rat
	LD50: 5 600 mg/kg	Species: mouse
BENZYL 2-HYDROXYBENZOATE	: LD50: 2 227 mg/kg	Species: rat
2-tert-butylcyclohexyl acetate	: LD50: 4 600 mg/kg	Species: rat
2,6-dimethyl-7-octen-2-ol	: LD50: 3 600 mg/kg	Species: rat
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)pent-1-en-3-one	: LD50: 5 000 mg/kg	Species: rat

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A mixture of cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	: LD50: > 5 000 mg/kg	Species: rat
3,7-dimethyl-1,6-octadien-3-ol (linalool)	: LD50: 2 790 mg/kg	Species: rat
2-phenylethanol	: LD50: 1 790 mg/kg	Species: rat
	LD50: 2 540 mg/kg	Species: mouse
	LD50: 2 540 mg/kg	Species: guinea pig
3-CYCLOHEXENE-1-CARBOXALDEHYDE, 4-(4-HYDROXY-4-METHYLPENTYL)-	: LD50: > 5 000 mg/kg	Species: rat
3,7-dimethyl-6-octen-1-ol (citronellol)	: LD50: 3 450 mg/kg	Species: rat
HEXYL 2-HYDROXYBENZOATE	: LD50: > 5 000 mg/kg	Species: rat
7-HYDROXY-3,7-DIMETHYLOCTAN-1-AL	: LD50: 5 000 mg/kg	Species: rat
	LD50: > 5 000 mg/kg	Species: rat
2-(4-methylcyclohex-3-en-1-yl)propan-2-ol (terpineol)	: LD50: 4 000 mg/kg	Species: rat
	LD50: 2 830 mg/kg	Species: mouse
hexyl acetate	: LD50: > 5 000 mg/kg	Species: rat
3-HEPTEN-2-ONE, 3,4,5,6,6-PENTAMETHYL-, (MAIN ISOMER)	: LD50: > 2 400 mg/kg	Species: rat
3-METHYL-5-PHENYL-1-PENTANOL	: LD50: 1 830 mg/kg	Species: rat
3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL	: LD50: 3 561 mg/kg	Species: rat
2-methyl-3-(4-isopropylphenyl)propanal	: LD50: 2 000 mg/kg	Species: rat
3,7-dimethyl-1,6-octadien-3-yl acetate (linalyl acetate)	: LD50: 13 934 mg/kg	Species: rat
4-undecanolide	: LD50: 18 500 mg/kg	Species: rat
3,7-dimethyl-2,6-octadienyl acetate (geranyl acetate)	: LD50: 6 330 mg/kg	Species: rat
ETHYL 2-METHYL-1,3-DIOXOLANE-2-ACETATE	: LD50: 5 000 mg/kg	Species: rat

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2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphtalene (main isomer)	: LD50: > 5 000 mg/kg	Species: rat
2-propenyl heptanoate (allyl heptanoate)	: LD50: 500 mg/kg LD50: 630 mg/kg LD50: 444 mg/kg	Species: rat Species: mouse Species: guinea pig
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: > 3 100 mg/kg	Species: rat
2-(2-(4-methyl-3-cyclohexen-1-yl)propyl)cyclopentanone	: LD50: > 2 000 mg/kg	Species: rat
2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL)-2-BUTEN-1-OL (MAIN COMPONENT)	: LD50: > 2 000 mg/kg	Species: rat
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (Beta-pinene)	: LD50: 4 700 mg/kg	Species: rat
2,6,6,8-tetramethyl-9-acetyl-tricyclo{5.3.1.0(1,5)}undec-8-ene	: LD50: > 5 000 mg/kg	Species: rat
(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	: LD50: 3 600 mg/kg	Species: rat
1-(3-methyl-2-benzofuranyl)ethanone	: LD50: > 200 mg/kg	Species: rat
<b>Acute inhalation toxicity</b>	: No data is available on the product itself.	
<b>Acute inhalation toxicity</b> 2-hexyl-3-phenyl-2-propenal (trans & cis)	: LC50: > 5 mg/l Exposure time: 4 h	Species: rat
<b>Acute dermal toxicity</b>	: Acute toxicity estimate Dose: > 5 000 mg/kg Method: Calculation method	
<b>Acute dermal toxicity</b> (R)-1-methyl-4-(1-methylethenyl)-cyclohexene	: LD50: > 5 000 mg/kg	Species: rabbit
BENZYL 2-HYDROXYBENZOATE	: LD50: 14 150 mg/kg	Species: rabbit
2-tert-butylcyclohexyl acetate	: LD50: > 5 000 mg/kg	Species: rabbit
2,6-dimethyl-7-octen-2-ol	: LD50: 5 000 mg/kg LD50: 5 000 mg/kg	Species: rabbit Species: rat
1-(2,6,6-Trimethylcyclohex-2-en-1-yl)pent-1-en-3-one	: LD50: 5 000 mg/kg	Species: rabbit

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A mixture of cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	: LD50: > 2 000 mg/kg	Species: rabbit
3,7-dimethyl-1,6-octadien-3-ol (linalool)	: LD50: 5 000 mg/kg	Species: rabbit
2-phenylethanol	: LD50: 790 mg/kg	Species: rabbit
3-CYCLOHEXENE-1-CARBOXALDEHYDE, 4-(4-HYDROXY-4-METHYLPENTYL)-	: LD50: > 5 000 mg/kg	Species: rabbit
3,7-dimethyl-6-octen-1-ol (citronellol)	: LD50: 2 650 mg/kg	Species: rabbit
HEXYL 2-HYDROXYBENZOATE	: LD50: > 5 000 mg/kg	Species: rabbit
7-HYDROXY-3,7-DIMETHYLOCTAN-1-AL	: LD50: 2 000 mg/kg LD50: > 2 000 mg/kg	Species: rabbit Species: rabbit
2-(4-methylcyclohex-3-en-1-yl)propan-2-ol (terpineol)	: LD50: > 3 000 mg/kg	Species: rabbit
hexyl acetate	: LD50: > 5 000 mg/kg	Species: rabbit
3-HEPTEN-2-ONE, 3,4,5,6,6-PENTAMETHYL-, (MAIN ISOMER)	: LD50: > 5 000 mg/kg	Species: rabbit
3-METHYL-5-PHENYL-1-PENTANOL	: LD50: 3 100 mg/kg	Species: rabbit
3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL	: LD50: > 2 000 mg/kg	Species: rabbit
2-methyl-3-(4-isopropylphenyl)propanal	: LD50: 5 000 mg/kg	Species: rat
3,7-dimethyl-1,6-octadien-3-yl acetate (linalyl acetate)	: LD50: > 5 000 mg/kg	Species: rabbit
ETHYL 2-METHYL-1,3-DIOXOLANE-2-ACETATE	: LD50: 5 000 mg/kg	Species: rabbit
2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphthalene (main isomer)	: LD50: > 5 000 mg/kg	Species: rabbit
2-propenyl heptanoate (allyl heptanoate)	: LD50: 810 mg/kg	Species: rabbit
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: 5 000 mg/kg	Species: rabbit

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2-(2-(4-methyl-3-cyclohexen-1-yl)propyl)cyclopentanone	: LD50: > 2 000 mg/kg	Species: rat
2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN -1-YL)-2-BUTEN-1-OL (MAIN COMPONENT)	: LD50: > 5 000 mg/kg	Species: rat
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (Beta-pinene)	: LD50: 5 000 mg/kg	Species: rabbit
2,6,6,8-tetramethyl-9-acetyl-tricyclo{5.3.1.0(1,5)}undec-8-ene	: LD50: > 2 000 mg/kg	Species: rabbit
(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	: LD50: > 5 000 mg/kg	Species: rabbit
1-(3-methyl-2-benzofuranyl)ethanone	: LD50: > 2 000 mg/kg	Species: rabbit

**Acute toxicity (other routes of administration)** : No data is available on the product itself.

### Skin corrosion/irritation

Skin irritation : May cause skin irritation and/or dermatitis.

### Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.

### Respiratory or skin sensitisation

Sensitisation : No data is available on the product itself.

### Germ cell mutagenicity

Germ cell mutagenicity : No data is available on the product itself.

### Carcinogenicity

Carcinogenicity : No data is available on the product itself.

### Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

### Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

### Target Organ Systemic Toxicant - Repeated exposure

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Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

### Aspiration hazard

Aspiration toxicity : The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### Phototoxicity

Phototoxicity : No data is available on the product itself.

**Further information** : Solvents may degrease the skin.

## SECTION 12. Ecological information

### 12.1 Toxicity

Toxicity to fish	: no data available
Toxicity to daphnia and other aquatic invertebrates	: no data available
Toxicity to algae	: no data available
M-Factor	
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	: 1
M-Factor	
HEXYL 2-HYDROXYBENZOATE	: 1
M-Factor	
2-propenyl heptanoate (allyl heptanoate)	: 1
M-Factor	
2-(2-(4-methyl-3-cyclohexen-1-yl)propyl)cyclopentanone	: 1
M-Factor	
2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL)-2-BUTEN-1-OL (MAIN COMPONENT)	: 1
M-Factor	
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-(Beta-pinene)	: 1
M-Factor	
2,6,6,8-tetramethyl-9-acetyl-tricyclo[5.3.1.0(1,5)]undec-8-ene	: 1
M-Factor	
1-(3-methyl-2-benzofuranyl)ethanone	: 10
Toxicity to bacteria	: no data available
Toxicity to fish (Chronic toxicity)	: no data available

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : no data available

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

Toxicity Data on Soil : no data available

Other organisms relevant to the environment : no data available

Impact on Sewage Treatment : no data available

### 12.2 Persistence and degradability

Biodegradability : no data available

### 12.3 Bioaccumulative potential

Bioaccumulation : no data available

### 12.4 Mobility in soil

Mobility : no data available

Distribution among environmental compartments : no data available

Additional advice Environmental fate and pathways : no data available

Physico-chemical removability : no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with local regulations.

### SECTION 14. Transport information

#### ADR/RID/ADN

UN number : 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Methyl isopropenyl cyclohexene, Hexyl salicylate)  
Transport hazard class(es) : 9  
Packing group : III  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (E)  
Environmentally hazardous : yes

#### IATA/ICAO

UN number : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Methyl isopropenyl cyclohexene, Hexyl salicylate)  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes  
  
Packing instruction (CAO) : 964  
Packing instruction (PAX) : 964  
Packing instruction (Ltd. Qty.) : Y964

#### IMDG

UN number : 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Methyl isopropenyl cyclohexene, Hexyl salicylate)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Fire : F-A  
EmS Spillage : S-F  
  
Marine pollutant : yes  
Methene isopropenyl cyclohexene Hexyl salicylate  
IMDG Code Segregation Group : None

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### SECTION 15. Regulatory information

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

**Below regulations has been referred:**

Regulations on the Control over Safety of Dangerous Chemicals

GB13690 General Rule for classification and hazard communication of chemicals

GB20576-GB20598 Safety rules for classification, precautionary labeling and precautionary statements-all

GB/T16483 Safety data sheet for chemical products - Content and order of sections

GB15258 General rules for preparation of precautionary label for chemicals

GB6944 Classification and code of dangerous goods

GBZ2.1 Occupational exposure limits for hazardous agents in the workplace part 1: Chemical hazardous agents

List of hazardous waste of China

**Catalogue of Commodities Forbidden to Import**

These components are not in the list

**Catalogue of Commodities Forbidden to Export**

These components are not in the list

**List of strict control toxic chemicals on import and export of China**

These components are not in the list

All existing national regulations must be followed when handle the product and dispose its waste

### SECTION 16. Other information

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

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H226	Flammable liquid and vapour.
H227	Combustible liquid
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful 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.

### Text of R-phrases mentioned in Section 3

R10	Flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

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.

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