

YZS-I290- Lychee rose



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : Lychee rose

Product code : YZS-I290

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

Perfumed composition

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

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### SECTION 2 : HAZARDS IDENTIFICATION

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

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Skin sensitisation, Category 1B (Skin Sens. 1B, H317).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Skin irritation (Xi, R 38).

Skin sensitisation (Xi, R 43).

Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07



GHS09

Signal Word :

WARNING

Product identifiers :

EC 259-174-3	OTNE [1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTALENYL)-ETHANONE
EC 250-863-4	HYDROXYMETHYLPENTYL CYCLOHEXENE CARBALDEHYDE
EC 201-289-8	P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL)
EC 261-332-1	ETHOXY-METHYLCYCLODECYLETHER
EC 214-881-6	ALPHAMETHYL-3,4-METHYLENEDIOXYHYDRO CINNAMIC ALDEHYDE
EC 203-378-7	NEROL
EC 203-377-1	GERANIOL
EC 246-430-4	TR-1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE
	(TR-ALPHA-DAMASCENONE)
EC 203-375-0	CITRONELLOL

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EC 228-408-6 HEXYL SALICYLATE  
601-029-00-7 LIMONENE ((R)-P-MENTHA-1,8-DIENE)  
EC 245-833-2 1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE (BETA-DAMASCENONE)

Hazard statements :

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash ... thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water/...  
P321 Specific treatment (see ... on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

Precautionary statements - Disposal :

P501 Dispose of contents/container to ...

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: I54464_57_2 CAS: 54464-57-2 EC: 259-174-3 REACH: 01-2119489989-04-0000  OTNE [1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8-TETRA-METHYL-2-NAPHTALENYL)-ETHANONE]	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	Xi,N Xi;R38-R43 N;R51/53		10 $\leq$ x % < 25
INDEX: 603-212-00-7 CAS: 1222-05-5 EC: 214-946-9 REACH: 01-2119488227-29  1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8-HEXAMETHYL-INDENO[5,6-C]PYRAN	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	N N;R50/53		2.5 $\leq$ x % < 10
INDEX: I31906_04_4 CAS: 31906-04-4 EC: 250-863-4  HYDROXYMETHYLPENTYL CYCLOHEXENE CARBALDEHYDE	GHS07 Wng Skin Sens. 1B, H317	Xi Xi;R43		2.5 $\leq$ x % < 10
INDEX: I80_54_6 CAS: 80-54-6 EC: 201-289-8 REACH: 01-2119485965-18-0000  P-TERT-BUTYL-ALPHA-METHYLHYDROCI NNAMIC ALDEHYDE (LILIAL)	GHS08, GHS07, GHS09 Wng Acute Tox. 4, H302 Repr. 2, H361 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Xn,N Repr. Cat. 3;R62 Xn;R22 Xi;R38-R43 N;R51/53	[2]	0 $\leq$ x % < 2.5

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INDEX: I58567_11_6 CAS: 58567-11-6 EC: 261-332-1 REACH: 01-2119971571-34-0001  ETHOXY-METHYLCYCLODECYLETHER	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	Xi,N Xi;R38-R43 N;R51/53		0 <= x % < 2.5
INDEX: I10339_55_6 CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32-0002  3,7-DIMETHYL-1,6-NONADIEN-3-OL	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319	Xi Xi;R38		0 <= x % < 2.5
INDEX: 609-069-00-7 CAS: 81-14-1 EC: 201-328-9  MUSK KETONE	GHS08, GHS09 Wng Carc. 2, H351 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	Xn,N Carc. Cat. 3;R40 N;R50/53	[2]	0 <= x % < 2.5
INDEX: I1205_17_0 CAS: 1205-17-0 EC: 214-881-6  ALPHAMETHYL-3,4-METHYLENEDIOXYH YDRO CINNAMIC ALDEHYDE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411	Xi,N Xi;R43 N;R51/53		0 <= x % < 2.5
INDEX: I106_25_2 CAS: 106-25-2 EC: 203-378-7  NEROL	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1B, H317	Xi Xi;R36/38-R43		0 <= x % < 2.5
INDEX: I28219_61_6 CAS: 28219-61-6 EC: 248-908-8  2-ETHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPE NTEN-1-YL)-2-BUTEN-1-OL	GHS07, GHS09 Wng Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	Xi,N Xi;R36 N;R50/53		0 <= x % < 2.5
INDEX: I106_24_1 CAS: 106-24-1 EC: 203-377-1  GERANIOL	GHS05, GHS07 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	Xi Xi;R38-R41-R43		0 <= x % < 2.5
INDEX: I24720_09_0 CAS: 24720-09-0 EC: 246-430-4  TR-1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-D IENYL)-2-BUTEN-1-ONE (TR-ALPHA-DAMASCENONE)	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317	Xn Xn;R22 Xi;R43		0 <= x % < 2.5
INDEX: I106_22_9 CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-0000  CITRONELLOL	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1B, H317	Xi,N Xi;R38-R43 N;R51/53		0 <= x % < 2.5
INDEX: I6259_76_3 CAS: 6259-76-3 EC: 228-408-6 REACH: 01-2119638275-36-0002  HEXYL SALICYLATE	GHS07, GHS09 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	Xi,N Xi;R38-R43 N;R50/53		0 <= x % < 2.5

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INDEX: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5  LIMONENE ((R)-P-MENTHA-1,8-DIENE)	GHS02, GHS07, GHS09 Wng Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	Xi,N Xi;R38-R43 N;R50/53 R10		0 <= x % < 2.5
INDEX: I23696_85_7 CAS: 23696-85-7 EC: 245-833-2  1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE (BETA-DAMASCENONE)	GHS07, GHS09 Wng Skin Sens. 1A, H317 Aquatic Chronic 2, H411	Xi,N Xi;R43 N;R51/53		0 <= x % < 2.5

**Information on ingredients :**

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures**

**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing :**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

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In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

No data available.

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Avoid any contact with the skin and eyes.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

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**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

**Fire prevention :**

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

**Packaging**

Always keep in packaging made of an identical material to the original.

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

No data available.

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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

CITRONELLOL (CAS: 106-22-9)

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**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Long term systemic effects.  
45.8 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
161.6 mg of substance/m3

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Consumers.**

Ingestion.  
Long term systemic effects.  
13.8 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Long term systemic effects.  
27.5 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
47.8 mg of substance/m3

P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL) (CAS: 80-54-6)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Short term local effects.  
0.41 mg of substance/cm2

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Long term systemic effects.  
2.075 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
0.44 mg of substance/m3

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Consumers.**

Ingestion.  
Long term systemic effects.  
0.0625 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Long term systemic effects.  
1.0375 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Short term local effects.  
0.41 mg of substance/cm2

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
0.11 mg of substance/m3

OTNE [1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8-TETRAMETHYL-2-NAPHTALENYL)-ETHANONE (CAS: 54464-57-2)

**Final use:**

Exposure method:  
Potential health effects:

**Workers.**

Dermal contact.  
Short term local effects.

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DNEL : 101.1 mg/kg body weight/day

Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 1.73 mg/kg body weight/day

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 1.76 mg of substance/m3

**Final use:** **Consumers.**  
Exposure method: Ingestion.  
Potential health effects: Long term systemic effects.  
DNEL : 0.25 mg/kg body weight/day

Exposure method: Dermal contact.  
Potential health effects: Short term local effects.  
DNEL : 50.6 µg of substance/cm2

Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 0.86 mg/kg body weight/day

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 0.43 mg of substance/m3

**Predicted no effect concentration (PNEC):**

**CITRONELLOL (CAS: 106-22-9)**

Environmental compartment: Soil.  
PNEC : 0.00371 mg/kg

Environmental compartment: Fresh water.  
PNEC : 0.0024 mg/l

Environmental compartment: Sea water.  
PNEC : 0.00024 mg/l

Environmental compartment: Intermittent waste water.  
PNEC : 0.024 mg/l

Environmental compartment: Fresh water sediment.  
PNEC : 0.0256 mg/kg

Environmental compartment: Marine sediment.  
PNEC : 0.00256 mg/kg

Environmental compartment: Waste water treatment plant.  
PNEC : 580 mg/l

**P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL) (CAS: 80-54-6)**

Environmental compartment: Soil.  
PNEC : 0.0525 mg/kg

Environmental compartment: Fresh water.  
PNEC : 0.00204 mg/l

Environmental compartment: Sea water.

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PNEC :	0.0002 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 0.024 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.269 mg/l
Environmental compartment: PNEC :	Marine sediment. 0.0269 mg/l
Environmental compartment: PNEC :	Waste water treatment plant. 10 mg/l

OTNE [1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTALENYL)-ETHANONE (CAS: 54464-57-2)

Environmental compartment: PNEC :	Soil. 0.705 mg/kg
Environmental compartment: PNEC :	Fresh water. 2.8 µg/l
Environmental compartment: PNEC :	Sea water. 0.28 µg/l
Environmental compartment: PNEC :	Intermittent waste water. 13 µg/l
Environmental compartment: PNEC :	Fresh water sediment. 3.73 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.75 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 10 mg/l

## 8.2. Exposure controls

### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)



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Recommended properties :

- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**General information :**

Physical state : Fluid liquid.

**Important health, safety and environmental information**

pH : Not relevant.

Boiling point/boiling range : Not specified.

Flash Point Interval : PE > 100°C.

Vapour pressure (50°C) : Not relevant.

Density : Not stated.

Water solubility : Insoluble.

Viscosity:  $\nu < 7 \text{ mm}^2/\text{s}$  (40°C)

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

Stockage : 1 year secure from air and light and heat

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

**10.4. Conditions to avoid**

Avoid temperatures close to flash point (see paragraph 9)

Avoid direct sources of heat

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible damage

May cause an allergic reaction by skin contact.

#### 11.1.1. Substances

##### Acute toxicity :

CITRONELLOL (CAS: 106-22-9)

Oral route : LD50 = 3450 mg/kg

Dermal route : LD50 = 2650 mg/kg

TR-1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (TR-ALPHA-DAMASCENONE) (CAS: 24720-09-0)

Oral route : LD50 = 1670 mg/kg

Dermal route : LD50 = 2900 mg/kg

GERANIOL (CAS: 106-24-1)

Oral route : LD50 = 4200 mg/kg

NEROL (CAS: 106-25-2)

Oral route : LD50 = 4500 mg/kg

ALPHAMETHYL-3,4-METHYLENEDIOXYHYDRO CINNAMIC ALDEHYDE (CAS: 1205-17-0)

Oral route : LD50 = 3550 mg/kg

P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL) (CAS: 80-54-6)

Oral route : LD50 = 1390 mg/kg

#### 11.1.2. Mixture

No toxicological data available for the mixture.

#### Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

## SECTION 12 : ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

### 12.1. Toxicity

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

No data available.

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## 12.6. Other adverse effects

No data available.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

## SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

### 14.1. UN number

3082

### 14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

- Classification :



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### 14.4. Packing group

III

### 14.5. Environmental hazards

- Environmentally hazardous material :



### 14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 601	E1	3	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	9	-	III	5 L	F-A,S-F	274 335	E1

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158	E1
	9	-	III	Y964	30 kg G	-	-	A97 A158	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

### SECTION 15 : REGULATORY INFORMATION

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

##### - Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

##### - Container information:

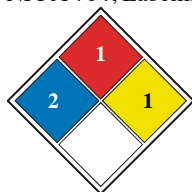
No data available.

##### - Particular provisions :

No data available.

##### - Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



#### 15.2. Chemical safety assessment

No data available.

### SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :



Irritant



Dangerous for the environment

Contains :

EC 250-863-4  
EC 259-174-3  
EC 261-332-1  
EC 201-289-8

HYDROXYMETHYLPENTYL CYCLOHEXENE CARBALDEHYDE  
OTNE [1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTALENYL)-ETHANONE  
ETHOXY-METHYLCYCLODECYLETHER  
P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL)

Risk phrase :

R 51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 43

May cause sensitisation by skin contact.

R 38

Irritating to skin.

Safety phrase :

S 24

Avoid contact with skin.

S 37

Wear suitable gloves.

S 61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

YZS-1290- Lychee rose

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S 60 This material and its container must be disposed of as hazardous waste.  
S 57 Use appropriate container to avoid environmental contamination.

**Title for H, EUH and R indications mentioned in section 3 :**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer .  
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.  
R 10 Flammable.  
R 22 Harmful if swallowed.  
R 36 Irritating to eyes.  
R 36/38 Irritating to eyes and skin.  
R 38 Irritating to skin.  
R 40.C3 Limited evidence of a carcinogenic effect.  
R 41 Risk of serious damage to eyes.  
R 43 May cause sensitisation by skin contact.  
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 62.F3 Possible risk of impaired fertility.

**Abbreviations :**

DNEL : Derived No-Effect Level  
PNEC : Predicted No-Effect Concentration  
CMR: Carcinogenic, mutagenic or reprotoxic.  
ADR : European agreement concerning the international carriage of dangerous goods by Road.  
IMDG : International Maritime Dangerous Goods.  
IATA : International Air Transport Association.  
ICAO : International Civil Aviation Organisation  
RID : Regulations concerning the International carriage of Dangerous goods by rail.  
WGK : Wassergefährdungsklasse (Water Hazard Class).  
GHS07 : Exclamation mark  
GHS09 : Environment

## **List of Allergenic Compounds**

**According Regulation 1223/2009/CE**

**YZS-I290- Lychee rose**

<b>INCI Name</b>	<b>N° Cas</b>	<b>N° EINECS</b>	<b>Concentration (in %)</b>
Alpha-Isomethyl Ionone	127-51-5	204-846-3	---
Amyl Cinnamal	122-40-7	204-541-5	---
Amylcinnamyl Alcohol	101-85-9	202-982-8	---
Anise Alcohol	105-13-5	203-273-6	---
Benzyl Alcohol	100-51-6	202-859-9	---
Benzyl Benzoate	120-51-4	204-402-9	---
Benzyl Cinnamate	103-41-3	203-109-3	---
Benzyl Salicylate	118-58-1	204-262-9	---
Butylphenyl Methylpropional	80-54-6	201-289-8	2.000
Cinnamal	104-55-2	203-213-9	---
Cinnamyl Alcohol	104-54-1	203-212-3	---
Citral	5392-40-5	226-394-6	0.002
Citronellol	106-22-9	203-375-0	0.149
Coumarin	91-64-5	202-086-7	---
Eugenol	97-53-0	202-589-1	---
Evernia Furfuracea (Treemoss) extract	90028-67-4	289-860-8	---
Evernia Prunastri (Oakmoss) extract	90028-68-5	289-861-3	---
Farnesol	4602-84-0	225-004-1	---
Geraniol	106-24-1	203-377-1	0.271
Hexyl Cinnamal	101-86-0	202-983-3	---
Hydroxycitronellal	107-75-5	203-518-7	---
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	250-863-4	2.500
Isoeugenol	97-54-1	202-590-7	---
Limonene	5989-27-5	227-813-5	0.118
Linalool	78-70-6	201-134-4	0.123
Methyl 2-octynoate	111-12-6	203-836-6	---

This certificate is generated by calculation based on data for ingredients.

The information contained herein is, to the best of our knowledge, true and accurate at the time it is given. It is your responsibility to ensure that the usage of the fragrance ingredients and the levels of such usage are permitted at all times according to the relevant laws and regulations.

Detection limit of calculation is 10 ppm.

'---' = Levels of material less than 10 ppm

**IFRA Conformity Certificate**

**Attn to : GILDEWERK BV**

**Perfumed composition : YZS-I290- Lychee rose**

**We certify that the above compound is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA – 47th amendment published 10 June 2013), provided it is used in the following application(s) at a maximum concentration level of :**

IFRA class(es) (see annex for detail)	Maximum level of use (%)
1A	0,00
1B	0,80
2	0,80
3.A	8,00
3.B	8,00
3.C	8,00
3.D	8,00
4.A	8,00
4.B	8,00
4.C	8,00
4.D	8,00
5	8,00
6	0,00
7.A	0,80
7.B	0,80
8.A	8,00
8.B	8,00
9.A	8,00
9.B	8,00
9.C	8,00
10.A	8,00
10.B	8,00
11.A	100,00
11.B	100,00

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact Gildewerk

The IFRA standards regarding use restriction are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA code of Practice.

**It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.**

**Issue date :**                      **18/03/2015**

*Signature (if generated electronically, no signature)*

**Disclaimer :**

**This Certificate provide restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents.**

## ANNEX : Definition of IFRA Class

Finished products types	IFRA class
Toys; Lip Products of all types (solid and liquid lipsticks, balms, clear or colored etc...) Lip wax;	<b>1A</b>
Waxes for mechanical hair removal	<b>1B</b>
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...) Fragranced Bracelets	<b>2</b>
Hydroalcoholic products applied to recently shaved skin (EdT range)	<b>3.A</b>
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	<b>3.B</b>
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...) Men's Facial Creams, Balms. Creams, lotion, oils for babies; Body Paint for Children	<b>3.C</b>
Tampons	<b>3.D</b>
Hydroalcoholic Products applied to unshaved skin (EdT range), body mists hydroalcohols Ingredients of Perfume Kits Scent Strips for Hydroalcoholic Products, "scratch and sniff", other paper products not mentioned elsewhere for which skin exposure is only incidental (e.g. spectacle cleaning tissues). "Scent Pads", "Foil Packs"	<b>4.A</b>
Hydroalcoholic Products applied to unshaved skin, Fine Fragrance range	<b>4.B</b>
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc...). Hair Deodorant Body Creams, Oils, Lotions of all types (excluded baby creams, lotions, oils) Fragrance Compounds for Cosmetic Kits, Foot Care Products; Body Paint for Adults	<b>4.C</b>
Fragrancing Creams of all types	<b>4.D</b>
Women's Facial Creams/Facial Make-up (excluding eye cream); Facial Masks; Hand Cream Wipes or refreshing tissues for Face, Neck, Hands, Body. Baby Powder and Talc Hair permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes Hand sanitizers; Dry Shampoo or Waterless Shampoo	<b>5</b>
Mouthwash including Breath sprays, Toothpaste	<b>6</b>
Intimate Wipes; Baby Wipes; Toilet paper	<b>7.A</b>
Insect Repellent (intended to be applied to the skin)	<b>7.B</b>
Make-up Removers of all types (not including face cleansers) Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...) Nail Care, Powders and talcs (not including baby powders and talcs)	<b>8.A</b>
Hair dyes	<b>8.B</b>
Liquid Soap, Bar Soap (toilet soap), Depilatory, Conditioner (rinse-off), Shampoos of all types (including baby shampoos) Face Cleansers of all types (washes, gels, scrubs, etc...) Shaving Creams of all types (stick, gels, foams, etc...) Body Washes of all types (including baby washes) and Shower Gels of all types Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater	<b>9.A</b>
Feminine pads, liners, toilet paper; Wheat bags	<b>9.B</b>
Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids spray) Facial tissues Napkins Paper towels	<b>9.C</b>
Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc...) including Laundry Bleaches Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc...), Dry Cleaning Kits Fabric Softeners of all types including softener sheets. Hand Dishwashing Detergent. Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...), Shampoos for pets, toilet seat wipes.	<b>10.A</b>
Diapers, Toilet seat wipes	<b>10.B</b>
All non-skin contact, including: Air Fresheners and fragrancing of all types (excluding aerosol products): concentrated aerosol air fresheners plug-ins, solid substrate, membrane delivery; Toilet blocks; Joss Sticks, Incense; Insecticides (mosquito coil, paper, electrical, etc...excluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints; Floor wax; Liquid refills for air fresheners (cartridge system) Fragranced lamp ring. Infused socks; scent delivery systems (using dry air technology that releases a fragrance without sprays; scented stones; Air delivery systems Machine only Laundry Detergents (e.g. liquid tabs)	<b>11.A</b>
All incidental skin contact, including: Machine Dish wash Detergents and Deodorizers. Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder) Pot pourri, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), etc... Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers); odored Distilled Water (that can be added to steam irons). Scratch and sniff; Scent pack	<b>11.B</b>

### Disclaimer :

This Certificate provide restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents.



## IFRA Regulated Substances

Name	N° Cas	N° EINECS	Standard	%
1-(2,6,6-TRIMÉTHYL-2-CYCLO- HEXÈN-1-YL)-2- BUTÈN-1-ONE	24720-09-0	246-430-4	R	0.150
1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (DAMASCENONE)	23696-85-7	245-833-2	R	0.080
2-(4-TERT BUTYL BENZYL)PROPIONALDEHYDE (LILIAL/BMHCA)	80-54-6	201-289-8	R	2.000
2-ACETONAPHTHONE-1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL	54464-57-2	259-174-3	R	20.000
3 AND 4-(4-HYDROXY-4-METHYLPENTYL)-3-CYCLOHEXENE-1-CARBOXALDEHYDE (HMPCC)	31906-04-4	250-863-4	R	2.500
3-(4-TERT-BUTYLPHENYL)PROPIONALDEHYDE	18127-01-0	242-016-2	R	0.050
ALPHA-METHYL-3,4-METHYLENE-DIOXYHYDROCINNAMIC ALDEHYDE (MMDHCA)	1205-17-0	214-881-6	R	0.400
CETONES DE ROSES/ROSE KETONES	SOMME/SUM	SOMME/SUM	R	0.230
CITRAL	5392-40-5	226-394-6	R - S	0.002
DL-CITRONELLOL	106-22-9	203-375-0	R	0.149
GERANIOL	106-24-1	203-377-1	R	0.271
HEXYL SALICYLATE	6259-76-3	228-408-6	R	0.120
LIMONENE.	5989-27-5	227-813-5	R - S	0.118
LINALOOL	78-70-6	201-134-4	R - S	0.123

**R-N = substances potentially generating of nitrosamines.**

P = PROHIBITED (except authorized traces)

R = quantitative Restriction

S = physico-chemicals Spécifications

**Limites d'indication : 0,001 % (10 ppm); all substances below 10 ppm are not reported.**