

ZEN GARDEN

Safety Data Sheet dated 21/4/2020 version 7



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

1.1. Product identifier

Mixture identification:

Trade name: ZEN GARDEN

Trade code: 2014061009

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

Recommended use: Perfumed composition for industrial use

Uses advised against: Not for ingestion

1.3. Details of the supplier of the safety data sheet

Company:

Cosmo International Fragrances - 2455 East Sunrise Boulevard, Suite 720 - Ft. Lauderdale, Florida 33304 - Phone: (954)566-1516

Cosmo International Fragrances - Pol. Ind. CONGOST Avda. Sant Julia, 260-26608403 Granollers(Barcelona) - Tel:(93)844-3444

Fax: (93)844-3445

Cosmo International Fragrances (Asia) Pte Ltd - 4 Tuas South Drive #07-21 - Singapore 637048 - Phone +65 69118900

e-mail contact: regulatory@cosmo-fragrances.com

1.4. Emergency telephone number

USA: Poison Control Center for South Florida/Miami: 1-800-222-1222

CHEMTREC 1800-424-9300 (USA), 1703-527-3887(OUTSIDE USA)

Singapore: 800-101-2201 or Intl: +6531581349

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Eye Irrit. 2 Causes serious eye irritation.

Skin Sens. 1B May cause an allergic skin reaction.

Aquatic Chronic 2 Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Pictograms and Signal Words



Warning

Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Contains

dl-Citronellol	
HEXYL CINNAMIC ALDEHYDE	May produce an allergic reaction.
Benzyl salicylate	May produce an allergic reaction.
Nerol	May produce an allergic reaction.
Linalool	May produce an allergic reaction.
Cedryl acetate	May produce an allergic reaction.
alpha-iso-Methylionone	May produce an allergic reaction.
Guaiacwood acetate	May produce an allergic reaction.
delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	May produce an allergic reaction.

2.3. Other hazards

No PBT Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Data not available

3.2. Mixtures

Mixture identification: Mixture of aromatic substances

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
1-5 %	dl-Citronellol	CAS:106-22-9 EC:203-375-0	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319	01-2119453995-23/-
1-5 %	HEXYL CINNAMIC ALDEHYDE	CAS:101-86-0, 165184-98-5 EC:202-983-3	Skin Sens. 1B, H317; Aquatic Chronic 2, H411; Aquatic Acute 1, H400	01-2119533092-50 / -
1-5 %	Benzyl salicylate	CAS:118-58-1 EC:204-262-9	Skin Sens. 1B, H317; Aquatic Chronic 3, H412; Eye Irrit. 2, H319	01-2119969442-31/ -
1-5 %	Nerol	CAS:106-25-2 EC:203-378-7	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1B, H317	01-2119983244-33 / -
1-5 %	Benzyl alcohol	CAS:100-51-6 EC:202-859-9 Index:603-057-00-5	Acute Tox. 4, H302; Eye Irrit. 2, H319; Acute Tox. 4, H332	01-2119492630-38/-
1-5 %	Linalool	CAS:78-70-6 EC:201-134-4 Index:603-235-00-2	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	01-2119474016-42/-
1-5 %	Benzyl acetate	CAS:140-11-4 EC:205-399-7	Aquatic Chronic 3, H412	01-2119638272-42 / -
1-5 %	Cedryl acetate	CAS:77-54-3 EC:201-036-1	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	01-2120739845-42 / -
0.1-1 %	alpha-iso-Methylionone	CAS:127-51-5 EC:204-846-3	Skin Sens. 1B, H317; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	01-2120138569-45 / 01-2119471851-35 / -
0.1-1 %	Guaiacwood acetate	CAS:61789-17-1 EC:309-448-4	Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	01-2120746528-45/-
0.1-1 %	cis-3-Hexenyl salicylate	CAS:65405-77-8 EC:265-745-8	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	01-2119987320-37 / -

0.1-1 %	Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	CAS:16409-43-1 EC:240-457-5	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361f	01-2119976300-42 / -
0.01-0.1 %	delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	CAS:57378-68-4 EC:260-709-8	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Chronic 1, H410; Aquatic Acute 1, H400	01-2119535122-53/-
0.01-0.1 %	BETA.-CEDRENE	CAS:546-28-1 EC:208-898-8	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M: 10	exempted
0.01-0.1 %	alpha-Cedrene	CAS:469-61-4 EC:207-418-4	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M: 10	exempted

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and/or label.

In case of Inhalation:

Remove person to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

General Information:

As in all potential poisoning, Obtain medical advice immediately

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing media separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

For containment : Any absorbent used for cleaning up spillage should be disposed promptly accordingly to local regulation.

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Wear adequate protective gloves protection and eye/face protection.

No smoking. Avoid any source of ignition.

Avoid exposing to high temperature during processing.

Do not ingest or apply to the skin as such. Good personal washing routines should be followed.

Maintain adequate local and general ventilation where product is handled.

Contaminated clothing should be changed before entering eating areas.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area, Away from heat sources.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Notes
Benzyl acetate	ACGIH						10		

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Where ventilation is inadequate to prevent any inhalation of substances, use adequate respiratory apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Liquid Colourless to pale yellow

Odour: Conform

Odour threshold: Data not available

pH: Data not available

Melting point / freezing point: Data not available

Initial boiling point and boiling range: Data not available

Flash point: > 93°C / 200°F

Evaporation rate: Data not available
Upper/lower flammability or explosive limits: Data not available
Vapour density: Data not available
Relative density: 0.935 g/ml
Solubility in water: Data not available
Solubility in oil: Data not available
Partition coefficient (n-octanol/water): Data not available
Auto-ignition temperature: Data not available
Decomposition temperature: Data not available
Viscosity: Data not available
Explosive properties: Data not available
Oxidizing properties: Data not available
Solid/gas flammability: Data not available
Specific Gravity @20°C = 0.937
Vapor Pressure (mm Hg @20°C): Data not available
Refractive Index @20°C = 1.459

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not Available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information of the Preparation

a) acute toxicity	not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

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

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
Benzyl alcohol	CAS: 100-51-6 - EINECS: 202- 859-9 - INDEX: 603-057-00-5	EC50 Algae <i>Anabaena variabilis</i> = 35 mg/L 3 Hr EC50 <i>Daphnia</i> water flea = 23 mg/L 48 Hr LC50 Fish <i>Pimephales promelas</i> = 460 mg/L 96 Hr - static
Linalool	CAS: 78-70-6 - EINECS: 201- 134-4 - INDEX: 603-235-00-2	EC50 <i>Daphnia</i> <i>Daphnia magna</i> = 20 mg/L 48 Hr EC50 Algae <i>Desmodesmus subspicatus</i> = 88.3 mg/L 96 Hr LC50 Fish <i>Leuciscus idus</i> = 22 mg/L 96 Hr - static 22-46
alpha-Cedrene	CAS: 469-61-4 - EINECS: 207- 418-4	EC50 <i>Daphnia</i> 0.04400 mg/L 48 Hr

12.2. Persistence and degradability

Data not available

12.3. Bioaccumulative potential

Data not available

12.4. Mobility in soil

Data not available

12.5. Results of PBT and vPvB assessment

No PBT Ingredients are present

12.6. Other adverse effects

Data not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CEDRYL ACETATE - GUAICWOOD ACETATE)

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CEDRYL ACETATE - GUAICWOOD ACETATE)

IMDG Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CEDRYL ACETATE - GUAICWOOD ACETATE)

14.3. Transport hazard class(es)

ADR-Class: 9

IATA-Class: 9

IMDG-Class: 9

14.4. Packing group

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: 9

ADR-Packing Group: III

ADR - Hazard identification number: 90

Air (IATA):

IATA-Passenger Aircraft: 964

IATA-Cargo Aircraft: 964

IATA-Label: 9

IATA-Packing group: III

IATA-Subrisk: -

IATA-Erg: 9L

IATA-Special Provisions: A97 A158 A197

Sea (IMDG):

IMDG-Packing group: III

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subrisk: -

IMDG-Special Provisions: 274 335 969

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-A, S-F

IMDG-MFAG: N/A

14.5. Environmental hazards

Most important toxic component: HEXYL CINNAMIC ALDEHYDE

Toxic ingredients quantity: 4.71

Very toxic ingredients quantity: 4.44

Marine pollutant: Yes

Data not available

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Data not available

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) 2015/830

Dispositions about directives 82/501/CE, 96/82/CE(Seveso bis), 2003/15/CE(Seveso ter):

Seveso III category according to Annex 1, part 1

Product belongs to category: E2 200 500

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
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.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
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.

Code	Hazard class and hazard category	Description
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.7/2	Repr. 2	Reproductive toxicity, Category 2
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

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

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
3.3/2	Calculation method
3.4.2/1B	Calculation method
4.1/C2	Calculation method

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Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION