

# SAFETY DATA SHEET

according to the Globally Harmonized System

# Givaudan

## ADVENTURE TRAILS

Version 1.0

Revision Date 01 SEP 2022

Print Date 01 SEP 2022

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

#### 1.1 Product identifier

Sales No. : EAK31312/00  
ADVENTURE TRAILS

#### 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 (India) Private Limited  
Plot No.25/26, 2nd Cross,  
Jigani Industrial Area  
BANGALORE 560105  
INDIA

Telephone : +918030166300  
Telefax : +918030166340  
E-mail address : global.msds\_fragrances\_raps@givaudan.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

+6531581198  
Please refer to section 16 for a full list of emergency phone numbers.

### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (Globally Harmonized System)

Flammable liquids, Category 4	H227: Combustible liquid.
Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Short-term (acute) aquatic hazard, Category 2	H401: Toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (Globally Harmonized System)

Administrative information:

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Hazard pictograms



Signal word

: Warning

Hazard statements

: H227 Combustible liquid.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
  
P261 Avoid breathing mist or vapours.  
P264 Wash skin 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/ hearing protection.  
  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P317 If skin irritation or rash occurs: Get medical help.  
  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
  
P391 Collect spillage.  
  
**Storage:**  
P403 Store in a well-ventilated place.  
  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 2-acetyl-1,2,3,4,5,6,7,8-octahydro- 54464-57-2  
2,3,8,8-tetra-methylnaphtalene  
(main isomer)
- 3,7-dimethyl-1,6-octadien-3-yl 115-95-7  
acetate (= linalyl acetate)
- (R)-p-mentha-1,8-diene 5989-27-5
- linalool 78-70-6

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### 2.3 Other hazards

no data available

## SECTION 3. Composition/information on ingredients

Chemical name	CAS-No. EC-No.	Classification (Globally Harmonized System)	Concentration [%]
Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester	24851-98-7 246-495-9	Aquatic Acute 3; H402	>= 10 - < 20
2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphthalene (main isomer)	54464-57-2 259-174-3	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 2; H401 Aquatic Chronic 1; H410	>= 5 - < 10
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5 214-946-9	Skin Irrit. 3; H316 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 5 - < 10
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	115-95-7 204-116-4	Flam. Liq. 4; H227 Eye Irrit. 2B; H320 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 3; H402	>= 5 - < 10
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 2.5 - < 5
linalool	78-70-6 201-134-4	Flam. Liq. 4; H227 Acute Tox. 5; H303 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 3; H402	>= 2.5 - < 5
1-[(2-tert-butyl)cyclohexyloxy]-2-butanol	139504-68-0 412-300-2	Eye Irrit. 2B; H320 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 1 - < 2.5
Oils, Lemon	8008-56-8 284-515-8	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 0.25 - < 1
3,7-dimethylnona-1,6-dien-3-ol (cis & trans)	10339-55-6 233-732-6	Flam. Liq. 4; H227 Acute Tox. 5; H303 Skin Irrit. 3; H316 Skin Sens. 1B; H317 Eye Irrit. 2A; H319 Aquatic Acute 3; H402	>= 0.25 - < 1

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3-(3,4-Methylene dioxyphenyl)-2-methylpropanal	1205-17-0 214-881-6	Acute Tox. 5; H303 Repr. 2; H361 Skin Sens. 1B; H317 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 0.25 - < 1
1-methyl-4-(1-methylethyl)-benzene (= p-Cymene)	99-87-6 202-796-7	Flam. Liq. 3; H226 Acute Tox. 5; H303 Asp. Tox. 1; H304 Acute Tox. 3; H331 Repr. 2; H361 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 0.1 - < 0.25
methyl 2,4-dihydroxy-3,6-dimethylbenzoate	4707-47-5 225-193-0	Skin Sens. 1B; H317 Aquatic Acute 2; H401	>= 0.025 - < 0.25
citral	5392-40-5 226-394-6	Acute Tox. 5; H313 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2A; H319 Aquatic Acute 2; H401	>= 0.1 - < 0.25
2,6-bis(1,1-dimethylethyl)-4-methylphenol	128-37-0 204-881-4	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.025 - < 0.25

**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.  
Do not leave the victim unattended.
- If inhaled : 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 : Remove contact lenses.  
Immediately flush eyes for at least 15 minutes. Get medical attention.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

Symptoms : no data available  
Risks : Causes skin irritation.  
May cause an allergic skin reaction.

**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 firefighting 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.

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**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
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 in a 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 : Ambient / 10-30°C (50-85°F)  
storage conditions : Dry, well ventilated, preferably full, hermetically sealed  
Advice on common storage : Protect against light.  
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
citral	5392-40-5	TWA	5 ppm	2014-03-01	ACGIH
Further information	: DSEN: Dermal Sensitization Not classifiable as a human carcinogen Danger of cutaneous absorption				
2,6-bis(1,1-dimethylethyl)-4-methylphenol	128-37-0	TWA	2 mg/m3	2007-01-01	ACGIH
Further information	: A4: Not classifiable as a human carcinogen				
		TWA	10 mg/m3	2013-10-08	NIOSH REL
		TWA	10 mg/m3	1989-01-19	OSHA P0
		PEL	10 mg/m3	2014-11-26	CAL PEL

### 8.2 Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational

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measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

**8.2.1 Engineering measures**

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

**8.2.2 Personal protective equipment**

- Eye/face protection : Use safety goggles tested according to EN 166/ ANSI Z87.1 or equivalent local standard.
- Hand protection : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.
- Other skin protection : Wear working clothes covering arms and legs. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or complete chemical suit if exposure is expected.
- Respiratory protection : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
- In case a risk analysis proved the cartridge respirator as acceptable, use type:  
ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a

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backup to engineering controls.

In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH 42 CFR 84(US).

Thermal hazards : Wear appropriate thermal protective clothing, when necessary.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.  
Do not eat, drink or smoke during work.  
Wash hands any time after handling the product.

### 8.2.3 Environmental exposure controls

General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	: liquid
Form	: liquid
Colour	: colorless to Very slightly yellow
Taste	: not determined
Odour	: woody, Spicy
Odour Threshold	: Not applicable
Flash point	: 82 °C Method: Grabner miniflash closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability	: Not applicable
Oxidizing properties	: no data available
Auto-ignition temperature	: not determined
Decomposition temperature	: no data available
pH	: not determined
Vapour pressure	: 0.1866 hPa at 20 °C Calculated (99.8 %)
Density	: 988.21 kg/m3 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

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**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.

**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**

**Information on toxicological effects**

**Acute toxicity**

**Acute oral toxicity** : Acute toxicity estimate  
Dose: > 5,000 mg/kg  
Method: Calculation method

**Acute oral toxicity**

Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester	: LD50: > 5,000 mg/kg	Species: Rat
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: Rat
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	: LD50: 13,934 mg/kg	Species: Rat
(R)-p-mentha-1,8-diene	: LD50: 5,600 mg/kg	Species: Mouse

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linalool : LD50: 2,790 mg/kg Species: Rat

3,7-dimethylnona-1,6-dien-3-ol (cis & trans) : LD50: > 5,000 mg/kg Species: Rat

3-(3,4-Methylene dioxyphenyl)-2-methylpropanal : LD50: 3,561 mg/kg Species: Rat

1-methyl-4-(1-methylethyl)-benzene (= p-Cymene) : LD50: 4,750 mg/kg Species: Rat

methyl 2,4-dihydroxy-3,6-dimethylbenzoate : LD50: > 8,000 mg/kg Species: Rat

citral : LD50: 4,960 mg/kg Species: Rat

**Acute inhalation toxicity** : Acute toxicity estimate  
Exposure time: 4 h  
  
Dose: > 40.00 mg/l  
Method: Calculation method

**Acute inhalation toxicity**  
1-methyl-4-(1-methylethyl)-benzene (= p-Cymene) : LC50: 9 mg/l  
Exposure time: 4 h Species: Rat

**Acute dermal toxicity** : No data is available on the product itself.

**Acute dermal toxicity**  
Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester : 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

3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate) : LD50: > 5,000 mg/kg Species: Rabbit

(R)-p-mentha-1,8-diene : LD50: > 5,000 mg/kg Species: Rabbit

Oils, Lemon : LD50: > 5,000 mg/kg Species: Rabbit

3,7-dimethylnona-1,6-dien-3-ol (cis & trans) : LD50: > 5,000 mg/kg Species: Rabbit

1-methyl-4-(1-methylethyl)-benzene (= p-Cymene) : LD50: > 5,000 mg/kg Species: Rabbit

methyl 2,4-dihydroxy-3,6-dimethylbenzoate : LD50: > 5,000 mg/kg Species: Rabbit

citral : LD50: 2,250 mg/kg Species: Rabbit

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2,6-bis(1,1-dimethylethyl)-4-methylphenol

: LD50: > 5,000 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 : Vapours may cause irritation to the eyes, respiratory system and the skin.

**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**

Not classified based on available information.

**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**

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

**Aspiration hazard**

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

**Phototoxicity**

Phototoxicity : No data is available on the product itself.

**Further information** : no data available

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**SECTION 12. Ecological information**

**Ecotoxicity**

**Components:**

**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

**2,6-di-tert-butyl-p-cresol:**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

**Product:**

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.

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Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with local regulations.

**SECTION 14. Transport information**

**14.1 UN number**

ADR : UN 3082  
IMDG : UN 3082  
IATA : UN 3082

**14.2 UN proper shipping name**

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Octahydro-tetramethyl-naphthalenyl-ethanone,  
Hexamethylindanopyran)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
: (Octahydro-tetramethyl-naphthalenyl-ethanone,  
Hexamethylindanopyran)  
IATA : Environmentally hazardous substance, liquid, n.o.s.  
(Octahydro-tetramethyl-naphthalenyl-ethanone,  
Hexamethylindanopyran)

**14.3 Transport hazard class(es)**

ADR : 9  
IMDG : 9  
IATA : 9

**14.4 Packing group**

ADR : III  
IMDG : III  
IATA : III

**14.5 Environmental hazards**

ADR  
Environmentally hazardous : yes  
IMDG

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Marine pollutant : yes

**IATA (Passenger)**

Environmentally hazardous : yes

**IATA (Cargo)**

Environmentally hazardous : yes

**14.6 Special precautions for user**

**ADR**

Tunnel restriction code : (-)

**IMDG**

IMDG Code Segregation : None  
Group

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

**SECTION 15. Regulatory information**

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

no additional relevant information

**SECTION 16. Other information**

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

H226	Flammable liquid and vapour.
H227	Combustible liquid.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or the unborn child.
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.

**Full list of Emergency response numbers worldwide.**

Administrative information:

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**SAFETY DATA SHEET**

according to the Globally Harmonized System

**Givaudan****ADVENTURE TRAILS**

Version 1.0

Revision Date 01 SEP 2022

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	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	0120 015 230
	Italy	800 699 792		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	0800 621 2139 +44 1235 239670		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech republic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
Middle East/Africa	All Middle East/Africa	+44 1235 239671	LATAM	New Zealand	+64 9 929 1483
	Bahrain and Middle East	+44 1235 239671		China	+86 532 8388 9090
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
NOAM	USA and Canada	+1 866 928 0789		Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554		Colombia	+57 1 508 7337
Global	Global	+44 1865 407333		Argentina	+54 11 5984 3690

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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Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Givaudan.

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