

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BISABOLENE

Version 2.0

Revision Date 19 JAN 2013

Print Date 24 MAY 2013

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

1.1 Product identifier

Sales No. : BISABOLENE

Substance name : BISABOLENE ISOMERS AND FARNESENE ISOMERS
Identifier

CAS : 17627-44-0
CAS : 502-61-4
CAS : 18794-84-8
EINECS : 241-610-9
EINECS : 207-948-6
EINECS : 242-582-0

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

Intended Use Fragrances : Perfumery ingredient

1.3 Details of the supplier of the safety data sheet

Company :
Givaudan Suisse SA
Chemin de la Parfumerie 5
CH-1214 VERNIER

Telephone : +41227809111
Telefax : +41227809150
E-mail address : global.msds_fragrances_raps@givaudan.com
Responsible/issuing person

1.4 Emergency telephone number

+33172110003

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.

Classification (67/548/EEC, 1999/45/EC)

Harmful	R65: Harmful: may cause lung damage if swallowed.
Sensitising	R43: May cause sensitization by skin contact.

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Irritant

R38: Irritating to skin.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Danger

Hazard statements

: H304

May be fatal if swallowed and enters airways.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

Precautionary statements

: **Prevention:**

P261

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

P280

Wear protective gloves.

Response:

P315

Get immediate medical advice/ attention.

P331

Do NOT induce vomiting.

P333 + P313

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

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 4-(1,5-Dimethylhex-4-en-1-ylidene)- 17627-44-0
1-methylcyclohexene

Labelling according to EC Directives (67/548/EEC, 1999/45/EC)

Hazard pictograms



Harmful

R-phrase(s)

: R38

Irritating to skin.

R43

May cause sensitization by skin contact.

R65

Harmful: may cause lung damage if swallowed.

S-phrase(s)

: S24

Avoid contact with skin.

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S37 Wear suitable gloves.
S60 This material and its container must be
 disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting: seek
 medical advice immediately and show this
 container or label.

Hazardous components which must be listed on the label:

- 4-(1,5-Dimethylhex-4-en-1-ylidene)-1- 17627-44-0
 methylcyclohexene

2.3 Other hazards

no data available

3. Composition/information on ingredients

3.1 Substances

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
4-(1,5-Dimethylhex-4-en-1-ylidene)-1-methylcyclohexene	17627-44-0 241-610-9	>= 20 - < 25
3,7,11-TRIMETHYL-1,3,6,10-DODECATETRAENE(MAIN ISOMER)	502-61-4 207-948-6	>= 10 - < 20
DODECA-1,6,10-TRIENE, 7,11-DIMETHYL-3-METHYLENE-, (E)-	18794-84-8 242-582-0	>= 5 - < 10

Hydrocarbons : 100 %

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 only appear several hours later.
 Do not leave the victim unattended.

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- 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 : Flush eyes with water as a precaution.
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

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : no data available

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
Water spray

- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : no data available

5.3 Advice for firefighters

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

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Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

not applicable

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : 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.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.
Temperature class : no data available
Fire-fighting class : no data available
Dust explosion class : no data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep container tightly closed in a dry and well-ventilated

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areas and containers

place.

Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions

: no data available

Advice on common storage

: no data available

German storage class

: no data available

Other data

: No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s)

: no data available

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

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

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.

Environmental exposure controls

General advice

: 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.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Form	: liquid
Colour	: colourless to Pale yellow
Taste	: Citrus
Odour	: Spicy, Balsamic, Agrestic, Terpenic
Odour Threshold	: 33,1333 ng/l
Flash point	: > 100 °C Method: closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: no data available
Decomposition temperature	: no data available
Molecular Weight	: 204,40 g/mol
pH	: no data available
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: 0,04 hPa at 20 °C
Density	: 857,45 kg/m ³ at 20 °C
Bulk density	: not applicable
Water solubility	: no data available
Solubility/qualitative	: insoluble
Partition coefficient: n-octanol/water	: log Pow: 7,8 Method: OECD Test Guideline 117
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available
Explosive properties	: no data available

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.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

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Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available
Thermal decomposition : no data available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: 5 000 mg/kg

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : This information is not available.

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 sensitization

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.

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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.

Target Organ Systemic Toxicant - Repeated exposure 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.

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

Toxicity to bacteria : no data available

Toxicity to fish (Chronic toxicity) : no data available

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

12.2 Persistence and degradability

Biodegradability : no data available

12.3 Bioaccumulative potential

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Bioaccumulation : no data available

12.4 Mobility in soil

Mobility : no data available

Distribution among : no data available

environmental compartments

Additional advice : no data available

Environmental fate and

pathways

Physico-chemical : no data available

removability

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Biochemical Oxygen : no data available

Demand (BOD)

Dissolved organic carbon : no data available

(DOC)

Chemical Oxygen Demand : no data available

(COD)

Adsorbed organic bound : no data available

halogens (AOX)

Additional ecological : no data available

information

13. Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Send to a licensed waste management company.

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

Dispose of in accordance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

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15. Regulatory information

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

Water contaminating class : WGK 2 water endangering
(Germany)

15.2 Chemical Safety Assessment

no data available

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R65	Harmful: may cause lung damage if swallowed.

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

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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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