

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

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

1.1 Product identifier

Trade name: (-)- α -BISABOLOL ROTICHROM® GC**Article number:** 9055**CAS Number:**

515-69-5

EC number:

208-205-9

Registration number

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Application of the substance / the mixture

Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Germany

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

E-Mail: sicherheit@carlroth.de**Further information obtainable from:** Department Health, Safety and Environment

1.4 Emergency telephone number:

Poison Centre Munich

Telefon +49/(0)89 19240

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Void**Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void

Information concerning particular hazards for human and environment:

No hazardous product as specified in Directive 67/548/EEC.

Classification system:

This product is not hazardous according to EEC directives 67/548/EEC / 1999/45/EC or regulation (EC) No 1272/2008.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

-

2.3 Other hazards

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 1)

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

3.1 Chemical characterization: Substances**CAS No. Description**

515-69-5 (-)-alpha-Bisabolol

Identification number(s)**EC number:** 208-205-9**Formula:** C₁₅H₂₆O (Hill)

4 First aid measures

**4.1 Description of first aid measures****General information:**

Remove any clothing soiled by the product.

After inhalation:

After inhalation of vapors / aerosols:

Supply fresh air.

After skin contact:

Rinse with water

If skin irritation continues, consult a doctor.

After eye contact:

To be sure rinse opened eye under running water. If there is any trouble seek medical help.

After swallowing:

Rinse out mouth and then drink water.

If there is any trouble seek medical help.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, powder, foam.**For safety reasons unsuitable extinguishing agents:**

For this substance/mixture no limitations of extinguishing agents are given.

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 2)

5.2 Special hazards arising from the substance or mixture

Forms explosive mixtures with air on intense heating.

In case of fire, the following can be released:

In the event of fire development of hazardous combustion gases or vapours possible.

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures** Not required.**6.2 Environmental precautions**

Do not allow to enter sewers/ground water or penetrate the soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage**7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Recommended storage temperature: +4 °C**7.3 Specific end use(s)**

No further relevant information available.

8 Exposure controls/personal protection**Additional information about design of technical facilities:**

No further data; see item 7.

(Contd. on page 4)

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 3)

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:** Not required.**Additional information:**

The lists valid during the making were used as basis.

8.2 Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:

Not required.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves -**Penetration time of glove material -****Eye protection:**

Tightly sealed goggles

Body protection:

Protective work clothing

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 4)

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Slightly sweetish
Odour threshold:	Not determined.

pH-value:	Not determined.
-----------	-----------------

Change in condition

Melting point/Melting range:	No information available.
Boiling point/Boiling range:	154-156 °C

Flash point:	135 °C
--------------	--------

Flammability (solid, gaseous):	No information available
--------------------------------	--------------------------

Ignition temperature:	250 °C
-----------------------	--------

Decomposition temperature:	> 330 °C
----------------------------	----------

Self-igniting:	No information available
----------------	--------------------------

Danger of explosion:	Forms explosive mixtures with air at elevated temperatures.
----------------------	---

Explosion limits:

Lower:	~ 0.8 Vol %
Upper:	~ 3.8 Vol %
Oxidizing properties:	No information available.

Vapour pressure at 110 °C:	1.6 hPa
----------------------------	---------

Density at 20 °C:	0.93 g/cm ³
Relative density	No Information available.
Vapour density	Not determined.
Evaporation rate	Not determined.

Solubility in / Miscibility with water at 20 °C:	< 0.1 g/l
--	-----------

Partition coefficient (n-octanol/water):	5.63 log POW (TOXNET)
--	-----------------------

Viscosity:

Dynamic:	No information available.
Kinematic:	No information available.

9.2 Other information	No further relevant information available.
-----------------------	--

10 Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

No information available.

(Contd. on page 6)

Safety data sheet
according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 5)

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials:

No information available.

10.6 Hazardous decomposition products:

In case of fire: see item 5.

11 Toxicological information**11.1 Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:**Oral | LD₅₀ | > 5000 mg/kg (rat) (RTECS)**Specific symptoms in biological assay:**

Skin and eye irritation test (rabbit): no irritation.

Primary irritant effect:**on the skin:**

No irritating effect.

on the eye:

No irritating effect.

after inhalation:

No irritating effect.

Sensitization:

No sensitizing effects known.

CMR effects:**Germ cell mutagenicity:**

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

Aspiration hazard:

No information available.

Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Further information:

The product should be handled with the care usual when dealing with chemicals.

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 6)

12 Ecological information

12.1 Toxicity

Aquatic toxicity:

Quantitative data on the ecological effect of this product are not available.

12.2 Persistence and degradability

Biodegradation: ca. 75%/28d OECD

Easily biodegradable

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark:

Do not allow to enter waters, waste water, or soil!

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging:

Recommendation:

Disposal according to official regulations.

14 Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

(Contd. on page 8)

Safety data sheet

according to Regulation (EC) No. 1907/2006



Printing date 02.04.2014

Version number 2

Revision: 02.04.2014

Trade name: (-)- α -BISABOLOL ROTICHROM® GC

(Contd. of page 7)

14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	-

15 Regulatory information

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

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Breakdown regulations:

-

Waterhazard class:

Generally not hazardous for water (German regulation).

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Department: Health, Safety and Environment

Contact: Herr Heine

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LD50*: Lethal Dose, 50 percent (Not relevant for classification)

LD50*: Lethal Concentration, 50 percent (Not relevant for classification)

*** Data compared to the previous version altered.**