

SAFETY DATA SHEET

Revision Date 06.02.23
Version 8.1

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

1.1 Product identifiers

Product name : ActiBiso™ Bakuchiol
INCI name : Bakuchiol
CAS-No. : 10309-37-2

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

Identified uses : Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Bisor Corporation
5358, Huyi Road,
Shanghai, 201806, P.R.
CHINA

Telephone : +86 21 6183 4121
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1.4 Email info@bisorcare.com

1.5 Web www.bisorcare.com

SECTION 2: Hazards identification

Summary of emergency

viscous liquid brown Very toxic to aquatic life with long lasting effects. After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water., Remove contact lenses . After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. Combustible. Vapors are heavier than air and may spread along floors . Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire. Violent reactions possible with: , Oxidizing agents, Reducing agents

2.1 CGHS Classification

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statement(s)

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

P273

Avoid release to the environment.

Response

P391

Collect spillage.

Disposal

P501

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

Reduced Labeling (<= 125 ml)

Pictogram



Signal Word

Warning

Hazard statement(s)

H410

Very toxic to aquatic life with long lasting effects.

Precautionary

statement(s)

none

2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

2.4 Health hazards

Referring to current information, no health hazard .

2.5 Environmental hazards

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects .

2.6 Other hazards - none

SECTION 3: Composition/ information on ingredients

Substance / Mixture : Substance

3.1 Substances

Synonyms : 4-[(1E,3S)-3-Ethenyl-3,7-dimethyl- 1,6-octadien- 1-yl]-phenol

Formula : C₁₈H₂₄O

Molecular weight : 256.38 g/mol

CAS-No. : 10309-37-2

EC-No. : 685-515-4

Hazardous ingredients

Component	Classification	Concentration
Bakuchiol	Short- term (acute) aquatic hazard Category 1 ; Long-term (chronic) aquatic hazard Category 1 ; H400 , H410 M- Factor - Aquatic Acute : 1 - Aquatic Chronic: 1	< = 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures If inhaled

After inhalation :fresh air.

In case of skin contact

In case of skin contact:Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell .

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2 .2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed No

data available

4.4 Notes to physician

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations ofextinguishing agents are given .

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed.

Storage stability

Recommended storage temperature

-20 °C

Store under inert gas.

Storage class

Storage class (TRGS 510) : 10 : Combustible liquids

SECTION 8 : Exposure controls/ personal

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU) .Safety glasses

Skin protection

not required

Respiratory protection

Not required;except in case of aerosol formation .

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	viscous liquid
b) Color	brown
c) Odor	No data available
d) Melting point/ freezing point	No data available
e) Initial boiling point and boiling range	145 - 147 °C at 0.9332 hPa
f) Flammability (solid, gas)	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	ca. 184 °C at ca. 1,013.25 hPa - Pensky-Martens closed cup
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	No data available
l) Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m) Water solubility	ca. 1 g/l at 20 °C - OECD Test Guideline 105- slightly soluble
n) Partition coefficient: n-	log Pow : ca.5.09 at 20 °C - Potential bioaccumulation
o) Vapor pressure	0 .000 hPa at 25 °C
p) Density	0 .96 g/cm ³ at 20 °C at 1,013 .25 hPa
Relative density	No data available
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	none

9.2 Other safety information

Surface tension ca .43 .92 mN/m at 20 °C
- OECD Test Guideline 1 15

Dissociation constant 10 . 1 at 25 °C

SECTION 10: Stability and reactivity

10.1 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.2 Possibility of hazardous reactions

Violent reactions possible with :

Oxidizing agents

Reducing agents

10.3 Conditions to avoid

Strong heating .

10.4 Incompatible materials

No data available

10.5 Hazardous decomposition products

In the event of fire : see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - female - > 2,000 mg/kg

(OECD Test Guideline 423)

Inhalation : No data available

Dermal : No data available

Skin corrosion/irritation

Skin - In vitro study

Result : No skin irritation

(Patch Test 24 Hrs . on humans : No detectable irritation .)

Remarks : (ECHA)

Serious eye damage/ eye irritation

Eyes - Chicken eye

Result : No eye irritation

Remarks : (ECHA)

Respiratory or skin sensitization

Patch test:

Does not cause skin sensitization .

Remarks: (ECHA)

Germ cell mutagenicity

Test Type : Ames test

Test system : S . typhimurium

Metabolic activation : with and without metabolic activation

Method : OECD Test Guideline 471

Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity -single exposure

No data available

Specific target organ toxicity -repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

RTECS :SL3785000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to daphnia static test EC50-Daphnia magna (Water flea)-ca.0.2mg/l-48h and
other aquatic (OECD Test Guideline 202)
invertebrates

Toxicity to algae static test ErC50-Raphidocelis subcapitata (freshwater green alga) - >
2 . 108 mg/l - 72 h
(OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability Biotic/Aerobic - Exposure time 28 d
Result: ca .55 .7 % - Not readily biodegradable.
(OECD Test Guideline 301D)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted

12.6 Other adverse effects

No data available

12.7 Other adverse effects

Discharge into the environment must be avoided.

SECTION 1 6 : Other information

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Bisor Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.bisorcare.com.