



Material Safety Data Sheet

Wuhan Hesheng Technology Co., Ltd.
WEB: www.heshengtech.com.cn

(-)- α -BISABOLOL

MSDS No.: HSKJ-001

Version: V2.0

Creation Date: 22-07-2023

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*Prepared according to American OSHA HazCom Standard (2012)

1. Identification of the chemical and supplier

Product identifier

Product Name	(-)- α -Bisabolol
Brand	HESHENG
Product No.	HSKJ-001
CAS No.	23089-26-1
EC No.	245-423-3
Molecular Formula	C ₁₅ H ₂₆ O

Details of the supplier of the Safety Data Sheet

Name of the company	Wuhan Hesheng Technology Co., Ltd.
Address of the company	Room D102, Building B5, Building B4-B8, Wuhan National Biological Industry (Jiufeng Innovation) Base, No. 666 Gaoxin Avenue, East Lake New Technology Development Zone, Wuhan, China
Post code	430074
Telephone number	027-68789320
Fax number	-
E-mail address	contactus@heshengtech.com.cn

Emergency phone number

Emergency phone number	+86 15282019727
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Relevant identified uses of the substance or mixture and uses advised against


Relevant identified uses	Laboratory chemicals, raw materials for daily chemical industrial applications.
Uses advised against	Please consult manufacturer.

2. Hazards identification

Hazard classification according to GHS

Not classified

Label elements

Hazard pictograms	
Signal word	Warning

Hazard statements

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation [Warning Serious eye damage/eye irritation]

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P305 + P338 + P351	IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Hazard description

Skin Contact	May cause skin irritation
Eye	May cause serious eye irritation

3. Composition/information on ingredients

Component	CAS No.	EC No.	Purity (GC, area%)
(-)- α -Bisabolol	23089-26-1	245-423-3	≥ 98

4. First aid measures

Description of first aid measures

Inhalation	Move the victim to fresh air, keep breathing and rest. Seek medical
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	advice/attention if feeling unwell.
Skin contact	Wash the skin with soap and plenty of water. Seek medical attention if skin irritation or rash occurs.
Eye contact	Wash carefully with water. Seek medical attention if eye irritation occurs.
Ingestion	Gargle, seek medical attention if feeling unwell.

Most important symptoms and effects

Skin irritation may occur.

Indication of any immediate medical attention and special treatment needed

Avoid contact with skin and eyes. Manage according to the symptoms that occur.

5. Firefighting measures

Extinguishing media

Suitable extinguishant: Dry chemical, alcohol-resistant foam, mist water or water spray, carbon dioxide.

Specific hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

1	Choose the appropriate fire extinguishing method according to the surrounding environment.
2	Non-related personnel should evacuate to a safe place.
3	Wear personal protective equipment when fighting fires. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Use personal protective equipment and avoid contact with skin and eyes.
2	Avoid dust formation. Avoid breathing vapors, mist or gas.
3	Stay away from spills/leaks and stay upwind.
4	Delimit the alert area for the leakage area and control the entry of non-related personnel.

Environmental precautions

Prevent entry into the sewer.

Methods and materials for containment and cleaning up

1	Sweep up and shovel. Clean, collect and seal in an airtight container for disposal.
2	Be careful not to scatter.
3	Attachments or collections should be immediately disposed of in accordance with appropriate laws and regulations.

7. Handling and storage

Precautions for handling

Operating environment	When handling chemicals, handle them in a well-ventilated place to avoid dust and aerosols. If dust is generated, provide appropriate exhaust equipment.
Personal protection	Avoid contact with skin and eyes when handling chemicals. See Section 8 for personal protection measures.
Hygiene requirements	Operate in accordance with good hygiene and safety practices, no eating or drinking in the work area, wash hands before breaks and at the end of work, remove contaminated clothing and protective equipment before entering the dining area.

Precautions for storage

Storage conditions	Stored in a closed container in the cool, dry and well ventilated place away from light.
Storage stability	Away from incompatible materials such as oxidants.
Packing materials	In accordance with relevant laws and regulations.

8. Exposure controls/personal protection

Control parameters

Occupational Exposure limit values	No substances with occupational exposure limits
Biological limit values	No information available.

Engineering controls

Keep it well ventilated.

Personal protection equipment

Respiratory protection	Respiratory protection is not necessary. Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection	Wear rubber gloves.
Eye protection	Wear chemical-proof goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US). Wear a mask if the situation requires.
Skin and body protection	Wear protective clothing. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wear protective shoes (boots) if the situation requires.

9. Physical and chemical properties

Appearance	Colorless to slightly yellowish clear liquid (20°C)
Odor	Faint,woody,sweetish odor
pH	No information available
Melting point/freezing point	No information available
Boiling point/boiling range	314.00°C @ 760.00 mm Hg
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower explosive limits	No information available
Vapor pressure	0.000136 mm Hg @ 25°C
Vapor density	No information available
Density	About 0.93 at 25°C
Solubility	Almost insoluble in water. Soluble in methanol, ethanol and grease.
Octanol/water partition coefficient	No information available
Auto-ignition temperature	No information available

Decomposition temperature	No information available
Viscosity	No information available

10. Stability and reactivity

Reactivity	No information available
Chemical stability	Stable in general condition.
Possibility of hazardous reactions	No specific reactions were reported.
Conditions to avoid	No information available
Incompatible materials	Oxidant.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.

11. Toxicological information

Acute toxicity	No information available
Skin irritation or corrosion	No information available
Eye irritation or corrosion	No information available
Respiratory or skin sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
Specific target organ system toxicity - single exposure	No information available
Specific target organ system toxicity - repeated exposure	No information available
Inhalation hazards	No information available

12. Ecological information

Acute aquatic toxicity

Component	Cas No.	Fish
(-)- α -Biosabolol	23089-26-1	4.6 mg/L < LC50(96H) < 10 mg/L

Others

Ecological toxicity	No information available
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Other harmful environmental effects	No information available

13. Disposal considerations

Waste chemicals	Recycle as far as possible, shall not be discharged into the sewer when waste disposal of this product. Please consult local authorities. The remaining non-recyclable chemicals are recommended to be incinerated in a chemical incinerator equipped with a post-combustion and washing device after solvent mixing in a combustible solvent.
Contaminated containers or packaging	Please consult local authorities.

Note: Please comply with all national, regional and local laws and regulations during disposal.

14. Transport information

	ADR/RID	IMDG	IATA
UN number	3082	3082	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (levomenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (levomenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (levomenol)
Transport hazard class(es)	9	9	9
Packaging group	III	III	III
Environmental hazards	Yes	Marine pollutant: Yes	Yes

Packages smaller than or equal to 5 kg / L , not dangerous goods of Class 9

15. Regulatory information

Classification of chemical

DSL	Listed
EINECS	Listed

16. Others

Information on revision

Version	Revision date	Reason for reversion
V1.0	22-07-2023	Draft
V2.0	14-09-2023	Purity value correction; Transport information correction

Abbreviations

CAS: Chemical Abstracts Service

DSL: Canadian Domestic Substances List

EC/EINECS: European Inventory of Existing commercial Chemical Substances

EU: European Union

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

LC50: Lethal Concentration 50%

MSDS: Material Safety Data Sheet

NIOSH: National Institute for Occupational Safety and Health (US)

OSHA HazCom: Occupational Safety and Health Administration Hazard Communication

PBT: Persistent, Bioaccumulative, Toxic

RIFM: Research Institute For Fragrance Materials

Reference

[1] <https://pubchem.ncbi.nlm.nih.gov/compound/442343>

[2] <https://www.echa.europa.eu/web/guest/substance-information/-/substanceinfo/100.041.279>.

[3] Api AM, Belsito D, Biserta S, et al. RIFM fragrance ingredient safety assessment, α -bisabolol, CAS registry number 515-69-5. Food Chem Toxicol. 2020;141 Suppl 1:111238.

Disclaimer

This MSDS was prepared based on the information we can collect at present. We try our best to ensure the correctness of all the information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for reference of users. This document will be revised in the event of new information or corrections.

The user of the MSDS should make a judgment on the reasonableness of the relevant information according to the purpose of use. Before use, please investigate the hazard and toxicity information. We do not guarantee the assessment of the hazard and toxicity. The warnings stated in this document apply to ordinary use only. In case of special use, additional safety measures must be taken in addition to ordinary safety measures. Users should be aware that all chemicals have unknown hazards and toxicity and can vary greatly depending on the conditions of use and storage. For safety reasons, the product should be used immediately after purchase. The whole process from product opening, storage to waste should be operated by experienced operators who are familiar with professional knowledge or under the guidance of experts. Each user is responsible for establishing a safe environment for use. Please give priority to the local and national laws and regulations of the organization that uses the product. If the product is used much longer than expected or you have any questions, please contact us.