MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product name	: Bisabolol
Product ID	: PMM3401

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

Identified uses	: Body/Skin Care

1.3 Details of the supplier of the safety data sheet

Company	: Plamed Green Science Group
Telephone	: 0086-29-88211806 0086-29-88215350
E-mail address	: sales@plamed.cn
Address	: No.69 Jinye Road, Xi'an, Shaanxi, China
Official Website	: www.plamed.cn

1.4 Emergency telephone

Emergency Phone #	: 0086-29-88211806

SECTION 2: Hazards identification

GHS Classification:

Not a hazardous substance or mixture according to the GHS.

GHS Label elements, including precautionary statements:

Not a hazardous substance or mixture according to the GHS.

Physical and chemical hazards:

Currently available information, no physical or chemical hazards.

Health hazards:

Currently available information, no health hazards.

Environmental hazards:

H412: Harmful to aquatic life with long lasting effects.

Other hazards: None.

SECTION 3: Composition/information on ingredients

3.1 Substance/Mixture: Single Compound

3.2 INCI name:BISABOLOL

3.3 IUPAC name:(-)-6-METHYL-2-(4-METHYLCYCLOHEX-3-EN-1-YL)HEPT-5-EN-2-OL

3.4 Molecular formula:$C_{15}H_{26}O$

3.5 Molecular weight:222.37 g/mol

3.6 CAS No.:23089-26-1

SECTION 4: First aid measures

4.1 General recommendations

Leave the danger zone.Show this safety technical specification to the doctor who came to the scene.Do not leave an unattended patient.

Inhalation:Transfer patient to fresh air.Seek medical attention if signs/symptoms persist.Keep patient warm and rested.Give artificial respiration if breathing is irregular or stops.

Skin contact:Take off contaminated clothing and shoes immediately.Wash with soap and plenty of water.Seek medical attention if symptoms persist.

Contact with eyes: Immediately flush eyes with plenty of water.Remove contact lenses.Protect uninjured eyes.Keep eyes open while rinsing.Seek medical attention if eye irritation persists.

Ingestion:Rinse mouth with water.Maintain airway patency.Do not induce vomiting.Never give anything to an unconscious person.Seek medical attention if symptoms persist.

4.2 Most important symptoms and health effects

May cause allergic skin reactions.Emergency responders need to protect themselves.

4.3 Advice for rescuers

First-aiders should pay attention to self-protection and use recommended protective clothing.

4.4 Special note for physicians

Emergency procedures should be based on consultation with the physician responsible for industrial medicine.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable:Use sand seed,alcohol-resistant foam,dry powder or carbon dioxide to extinguish.

Unsuitable:Large water jet.

5.2 Special hazards

A fire will often produce a thick black smoke.Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3 Special protective equipment for firefighters

Wear self-contained breathing apparatus.

5.4 Special extinguishing method

Do not breathe smoke or dust in case of fire and/or explosion.

5.5 Standard procedures for chemical fires

Collect contaminated fire water separately and do not drain into sewers.

Dispose of fire residues and contaminated fire water according to local regulations.Spray with water to cool completely closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions

Use personal protective equipment;Ensure adequate ventilation;evacuate personnel to safe areas.

6.2 Prevention of environmental pollution

Contain and control the leaks or spills with non-combustible absorbent materials such as sand,earth,vermiculite, diatomaceous earth in drums for waste disposal.Do not discharge into surface waters or sewer systems;if safety can be ensured,measures can be taken to prevent further leakage or spillage;if the product contaminates rivers,lakes or sewers,inform the relevant authorities.

6.3 Cleaning or collection method

Small spills:Stop the leak ifit is safe.Remove the container from the flow area.Absorb with inert dry material and make available qualified garbage collection personnel in an appropriate container.

Large spills: Stop the leak if there is no risk.Remove the container from the flow area.Avoid spreading into sewers,waterways,basements or confined areas.Wash the flow in an effluent treatment plant or use noncombustible liquid-binding material(sand,soil,vermiculite or diatom soil)and provide qualified garbage collection personnel in a container according to local regulations.

SECTION 7: Handling and storage

7.1 Handling

Advice on fire and explosion prevention:General fire protection measures

Precautions for Safe Disposal:
Avoid aerosol formation.
See Section 8 for personal protection.
Do not eat,drink or smoke at the site.
Provide adequate air exchange and/or exhaust in the work room.
Wash water was disposed of according to local and national regulations
Prevent access to forbidden substances:No data available

7.2 Storage

Safe Storage Conditions:
Sealed,protected from light,stored at room temperature.Opened containers must be carefully resealed and held in a vertical position to prevent leakage.Electrical installation/construction materials must conform to technical safety standards.

SECTION 8: Exposure controls/personal protection

8.1 Personal Protection Facilities

Respiratory protection:Not required;unless aerosols are generated.
Eye protection:Eye wash bottle with purified water.
Skin and body protection:Impermeable clothing.Choice of body protection at the workplace based on the amount and concentration of the hazard.

8.2 Other

Suitable chemical resistant protective gloves,gloves suitable for prolonged direct contact and other gloves.
When used,do not eat or drink.
Wash hands before breaks and atthe end of work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Colorless to light yellow viscous liquid
b) Odor	Characteristic
c) PH	Not applicable
d) Melting point/freezing point	No data available
e) Initial boiling point and boiling range	No data available
f) Flash point	>100℃
g) Evaporation rate	No data available
h) Upper/lower flammability or explosive limits	No data available
i) Vapor pressure	No data available
j) Vapor density	No data available
k) Relative density (20℃/4℃)	0.920-0.936(20℃)
l) Water solubility	Immiscible
m)Solubility (Qualitative)solvents	Soluble in alkanes,methanol,ethanol
n)n-Octanol/water partition coefficient	No data available
o) Decomposition temperature	No data available
p)Dynamic viscosity	100.0mPa·s～108.0mPa·s
q)Kinematic viscosity	107.5mm²/s～117.5mm²/s
r) Explosive properties	Non explosive
s) Oxidizing properties	Non-oxidizing

SECTION 10: Stability and reactivity

10.1 Conditions to avoid

Eliminate all sources of ignition:heat,mars,open flames.
Thermal decomposition:>330℃

10.2 Substances to avoid
No data available

10.3 Hazardous reactions
No hazardous reactions after storage according to regulations/instructions.

10.4 Hazardous decomposition products
No hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
None

SECTION 12: Ecological information

12.1 Ecotoxicity

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Other adverse effects- none

SECTION 13: Disposal considerations

13.1 Product
Dispose of wastes in an approved waste disposal facility.Dispose of contents/containers in accordance with local regulations.

13.2 Contaminated packaging
Dispose of empty containers and wastes safely.Dispose of waste product or used containers according to local regulations.

SECTION 14: Transport information

UN number

ADR/RID:/	IMDG:/	IATA-DGR:/

UN proper shipping name

ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA-DGR: Not dangerous goods

Transport hazard class(es)

ADR/RID:/	IMDG:/	IATA-DGR:/

Packaging group

ADR/RID:/	IMDG:/	IATA-DGR:/

Environmental hazards
AoR/Rlo: No
IMoG: Non-marine contaminants
ICAO TI: No

Further information
Not classified as dangerous according to transport regulations.

SECTION 15: Regulatory information

15.1 Applicable Regulations
Regulations on the Control over Safety of Dangerous Chemicals
General rules for classification and hazard disclosure of chemicals GB 13690
Material Safety Data Sheet GB/T 16483

SECTION 16: Other information

The above content is based on our knowledge and the data information mentioned in this security information table. These are specific to the products mentioned above and should help to take adequate safety precautions.