



SAFETY DATA SHEET

BLACK FOREST E21169961

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

1.1 Product identifier

BLACK FOREST E21169961

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

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Please find the actual manufacturer on product label

Supplier	: MANE (Shanghai) Fragrances & Flavours Co., Ltd
Address	: No. 612 Shan Lian Road, Baoshan Urban Industry Park- Shanghai 200444-CHINA
Telephone	: +86 21 3611 9900 (Only during office hours)
e-mail	: CN-SH.REG-SDS@mane.com
Supplier	: MANE (China) Fragrances & Flavours Co., Ltd
Address	: No. 988, Xinxingyi Road- Pinghu 314200, Zhejiang Province- CHINA
Telephone	: +86 573 8509 8989 (Only during office hours)
e-mail	: CN-SH.REG-SDS@mane.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911
Other Emergency Numbers :

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor.

Health Dangers

Skin irrit. 2: Causes skin irritation.

Skin Sens. 1: May cause an allergic skin reaction.

Eye Irrit. 2: Causes serious eye irritation.

Environmental hazards

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.



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2.2 Label elements



GHS02



GHS07



GHS09

WARNING

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P305+P351+P338: IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present.

P337+P313: If eye irritation persists: Get medical advice

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

EUH208: Contains COUMARIN, HELIOTROPINE, Beta PINENE, CYCLAMEN ALDEHYDE, DIMETHYL CYCLOHEXENE CARBOXALDEHYDE, CITRAL, TETRAHYDROLINALOOL. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None

Endocrine Disruptors: None

Other information: None

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

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CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
ETHYL ALCOHOL	64-17-5	603-002-00-5	[20 % , 50 %]	Flam. Liq. 2, H225 Eye Irrit. 2, H319
2,6-dimethyloct-7-en-2-ol	18479-58-8		[5 % , 10 %]	Skin irrit. 2, H315 Eye Irrit. 2, H319
HEXYL CINNAMAL	101-86-0		[5 % , 10 %]	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
LINALYL ACETATE	115-95-7		[5 % , 10 %]	Skin irrit. 2, H315 Skin Sens. 1, H317
HHCB	1222-05-5	603-212-00-7	[5 % , 10 %]	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALOOL	78-70-6	603-235-00-2	[1 % , 5 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
VANILLIN	121-33-5		[1 % , 5 %]	Eye Irrit. 2, H319
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %]	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
ETHYL MALTOL	4940-11-8		[1 % , 5 %]	Acute Tox. 4 Oral, H302
beta IONONE	14901-07-6		[1 % , 5 %]	Aquatic Chronic 2, H411
COUMARIN	91-64-5		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Skin Sens. 1B, H317
HELIOTROPINE	120-57-0		[0.1 % , 1 %]	Skin Sens. 1B, H317
Beta PINENE	127-91-3		[0.1 % , 1 %]	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CYCLAMEN ALDEHYDE	103-95-7		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
GAMMA TERPINENE	99-85-4		[0.1 % , 1 %]	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361
DIMETHYL CYCLOHEXENE CARBOXALDEHYDE	68039-49-6		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
CYCLOHEXYLOXY,2-PROPENYL ACETATE	68901-15-5		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DELTA DAMASCONONE	57378-68-4		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Skin irrit. 2, H315

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				Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL	5392-40-5	605-019-00-3	[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
TETRAHYDROLINALOOL	78-69-3		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water, CO2 or Foam

Extinguishing media to avoid

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor.

Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.



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6 Measures to adopt in case of accidental dispersion

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and material for containment and clean-up

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment.
For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.
Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.
Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits



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National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
ETHYL ALCOHOL	64-17-5	[20 % , 50 %]	CHINA: None GERMANY: 380 FRANCE: 1900 INDONESIA: None JAPAN: None UNITED STATES: 1000 (NIOSH)
LIMONENES	138-86-3	[1 % , 5 %]	CHINA: None GERMANY: 28 FRANCE: None INDONESIA: None JAPAN: None UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator.

Eye protection: Wear goggles/face shield.

Hand protection: Gloves.

Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.



- Flash point (°C): 27 °C (80.6 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9350 / 0.9450
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.



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10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Hazard class information as defined in Regulation (EC) No. 1272/2008

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
ETHYL ALCOHOL	64-17-5	[20 % , 50 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
2,6-dimethyloct-7-en-2-ol	18479-58-8	[5 % , 10 %[	> 5000 <i>Estimated</i>	3600 <i>Estimated</i>	> 100 <i>Estimated</i>
HEXYL CINNAMAL	101-86-0	[5 % , 10 %[	> 5000 <i>Estimated</i>	3100 <i>Estimated</i>	> 100 <i>Estimated</i>
LINALYL ACETATE	115-95-7	[5 % , 10 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
LINALOOL	78-70-6	[1 % , 5 %[	> 5000 <i>Measured</i>	2790 <i>Measured</i>	> 100 <i>Estimated</i>
VANILLIN	121-33-5	[1 % , 5 %[	> 5000 <i>Estimated</i>	3500 <i>Estimated</i>	> 100 <i>Estimated</i>
LIMONENES	138-86-3	[1 % , 5 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
ETHYL MALTOL	4940-11-8	[1 % , 5 %[	> 5000	1200	> 100



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			<i>Estimated</i>	<i>Measured</i>	<i>Estimated</i>
COUMARIN	91-64-5	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	500 <i>Estimated</i>	> 100 <i>Estimated</i>
HELIOTROPINE	120-57-0	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	2700 <i>Estimated</i>	> 100 <i>Estimated</i>
Beta PINENE	127-91-3	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
CYCLAMEN ALDEHYDE	103-95-7	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	3810 <i>Estimated</i>	> 100 <i>Estimated</i>
GAMMA TERPINENE	99-85-4	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	3850 <i>Estimated</i>	> 100 <i>Estimated</i>
DIMETHYL CYCLOHEXENE CARBOXALDEHYDE	68039-49-6	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	3900 <i>Estimated</i>	> 100 <i>Estimated</i>
DELTA DAMASCONE	57378-68-4	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	1600 <i>Estimated</i>	> 100 <i>Estimated</i>
CITRAL	5392-40-5	[0.1 % , 1 %[	2250 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
TETRAHYDROLINALOOL	78-69-3	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>

Serious eye damage/irritation : No data available.

Germ cell mutagenicity : No data available.

Reproductive toxicity : No data available.

Specific Target Organ - Single Exposure : No data available.

Skin Sensitization : No data available.

Cancerogenicity : No data available.

Specific Target Organ (NE) - Single Exposure : No data available.

Specific Target Organ - Repeated Exposure : No data available.

Aspiration Hazard : No data available.

Respiratory Sensitization : No data available.

Skin corrosion/irritation : No data available.

Information on likely routes of exposure

No data available.

Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

Interactive effects



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No data available.

11.2 Information on other hazards

Properties interfering with the endocrine system

Not applicable

Other information

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	: No data available.
Toxicity Alga	: No data available.
Toxicity Water Flea	: No data available.

12.2 Persistence and degradability

Biodegradability	: No data available.
Hydrosolubility	: No data available.
Comments	: None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	: No data available.
Bio Concentration Factor	: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.



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12.6 Information on other hazards

Properties interfering with the endocrine system

Not applicable

Other information

No data available.

12.7 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

ADR

UN number	: 1266
Transportation name United Nations	: PERFUMERY PRODUCTS
Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
Packaging group	: III
Environmental dangers	: Yes.
Tunnel restriction code	: No data available.

IATA

UN number	: 1266
Transportation name United Nations	: PERFUMERY PRODUCTS
Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
Packaging group	: III
Environmental dangers	: Yes.

IMDG

UN number	: 1266
Transportation name United Nations	: PERFUMERY PRODUCTS POLLUTANT
Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
Packaging group	: III
Environmental dangers	: Yes.
Marine pollutants	: P - pollutant



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RID

UN number : 1266
Transportation name United Nations : PERFUMERY PRODUCTS
Danger class(es) for transport : Classe 3 : FLAMMABLE LIQUIDS
Packaging group : III
Environmental dangers : Yes.
Tunnel restriction code : No data available.

14.1 Special precautions for user

No recommendation given.

15 Regulatory information

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

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	01-2119449921-34-XXXX
3,7-dimethyloctan-3-ol	01-2119454788-21-XXXX
linalyl acetate	01-2119454789-19-XXXX
oxydipropanol	01-2119456811-38-XXXX
2,6-dimethyloct-7-en-2-ol	01-2119457274-37-XXXX
ethanol	01-2119457610-43-XXXX
Citral	01-2119462829-23-0006
Linalool	01-2119474016-42-0008
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	01-2119488227-29-XXXX
Lemon, ext.	01-2119495512-35-0023
vanillin	01-2119516040-60-XXXX
alpha-hexyl cinnamic aldehyde	01-2119533092-50-XXXX
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	01-2119535122-53-XXXX
Coumarin	01-2119943756-26-XXXX
3-ethoxy-4-hydroxybenzaldehyde	01-2119958961-24-XXXX
1,4-dimethyl-7-(prop-1-en-2-yl)-1,2,3,4,5,6,7,8-octahydroazulene; 2,2,6,8-tetramethyltricyclo[5.3.1.0 ^{3,8}]undecan-3-ol; 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene	01-2119967775-18-0026
cis-hex-3-en-1-ol	01-2119969743-23-XXXX
3-p-cumenyl-2-methylpropionaldehyde	01-2119970582-32-XXXX
Anisaldehyde	01-2119977101-43-XXXX
Reaction mass of (1R,2R)-2,4-dimethylcyclohex-3-enecarbaldehyde and (1R,2S)-2,4-dimethylcyclohex-3-enecarbaldehyde	01-2119982384-28-XXXX
Piperonal	01-2119983608-21-XXXX
Artemisia herba-alba, ext.	01-2120751478-45-XXXX
Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by distillation - Cedrol	01-2120753604-54-0001
Allyl (cyclohexyloxy)acetate	01-2120770514-54-XXXX

15.2 Chemical safety assessment



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No data available.

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service
CO₂: Carbon dioxide
LD₅₀: Lethal dose 50
NTP: National Toxicology program
IARC: International Agency for Research on Cancer
OSHA: Occupational Safety and Health Administration
UN: United Nations
IMDG : International Maritime Dangerous Goods
IATA : International Air Transport Association

Classification codes

Acute Tox. 4 Oral	: Acute toxicity Category 4 Oral
Aquatic Acute 1	: Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	: Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	: Chronic hazards to the aquatic environment Category 2
Aquatic Chronic 3	: Chronic hazards to the aquatic environment Category 3
Asp. Tox. 1	: Aspiration hazard Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 2	: Flammable liquids Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Repr. 2	: Toxic for Reproduction Category 2



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Skin irrit. 2	:	Skin corrosion/irritation Category 2
Skin Sens. 1	:	Skin sensitizer Category 1
Skin Sens. 1A	:	Skin sensitizer Category 1A
Skin Sens. 1B	:	Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the ECHA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.