



MATERIAL SAFETY DATA SHEET

In accordance with 1907/2006/EC,1272/2008/EC

Date:December 28, 2016

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

Product name: MY14-E044-1 Clear spring
Product Use: Fragrance for Consumer product
Company name : MEIYI Flavor Fragrance CO.,LTD
Emergency phone: 86-0512-50128983
Fax: 86-0512-50128993
E-mail address: meiyi_xj@163.com

2. Hazards identification

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Skin sensitization, Category 1

Skin irritation, Category 2

Chronic aquatic toxicity, Category 2

Classification(67/548/EEC)

R22:Harmful if swallowed.

R41: Risk of serious damage to eyes.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Hazard symbol** :**Signal word** : Warning**Hazard statements** : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.**Precautionary statements** : P273: Avoid release to the environment.

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

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

3. Composition/information on ingredients

Chemical Name : MULTI-COMPONENT MIXTURE**Hazardous components**



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Chemical Name	CAS-No.	EINECS-No.	Classification EC1272/2008	Concentration [%]
LINALOOL	78-70-6	201-134-4	H315 H319 H335	1-5
<u>Benzyl acetate</u>	140-11-4	205-399-7	H315 H319 H335 H411	1-5
Citronellol	106-22-9	203-375-0	H315 H319 H335	0.1-1
Geraniol	106-24-1	203-377-1	H315 H319 H335	0.1-1
Linalyl acetate	<u>115-95-7</u>	204-116-4	H315 H319 H335	1-5
Citral	5392-40-5	226-394-6	H315 H317	0.1-1
Eugenol	97-53-0	202-589-1	H317 H319	0.1-1
Lily aldehyde	80-54-6	201-289-8	/	0.1-1
Methyl dihydrojasmonate(Hedione)	24851-98-7	246-495-9	/	10-15
Lyral	31906-04-4	250-863-4	/	0.1-1
Hexyl salicylate	6259-76-3	228-408-6	/	1-5
alpha-Hexylcinnamaldehyde(HCA)	101-86-0	202-983-3	H317 H412	1-5
Benzyl benzoate	120-51-4	204-116-4	H302 H411	1-5
Galaxolide	1222-05-5	214-946-9	/	5-10
Triacetin	102-76-1	203-051-9	/	40-50

4. First-aid measures

Description of first aid measures

General advice:	Move out of dangerous area. Never give anything by mouth to an unconscious person. Move to fresh air.
Inhalation:	If symptoms persist, call a physician. Take off all contaminated clothing immediately.
Skin contact:	If skin irritation persists, call a physician. Irrigate copiously with clean, fresh water for at least 10 minutes, keep eye wide open while rinsing.
In case of eye contact:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovers position.



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Ingestion: Never give anything by mouth to an unconscious person
Clean mouth with water.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms: no data available
Risks: no data available

Indication of any immediate medical attention and special treatment needed

Treatment: no data available

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Unsuitable extinguishing: high volume water jet

Special hazards arising from the substance or mixture

Specific hazards during fire fighting: Do not use a solid water stream as it may scatter and spread fire

Advice for firefighters

Special protective equipment for fire-fighters: Wear self contained breathing apparatus.
Further information: Use water spray to cool unopened containers.
In the event of fire and/or explosion do not breathe fumes

6. Accidental release measures

Personal precautions: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

Environmental: keep away from drains, surface and ground water, and soil.

Methods for cleaning up: Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.



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7. Handling and storage

Advice on safe handling : Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period.

Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

Advice on protection against fire and explosion : Keep away from ignition sources and naked flame.

Requirements for storage areas and containers: Store in a cool, dry and ventilated area. Keep away from sources of ignition and naked flames.

Specific use: No information available

8. Exposure controls/personal protection

Components no substances with occupational exposure limit values.

Respiratory protection: Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured.

In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.

If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:

- a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or
- b) during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or
- c) if normal operational workplace vapor concentration in the air is increased due to heat ;
- d) during emergencies; or
- e) if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.

Hygiene measures: To the extent deemed appropriate, implement pre-placement and



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regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.

To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.

Skin protection: Not needed for normal use.

Hand protection: Avoid skin contact , Use chemically resistant gloves as needed.

9. Physical and chemical properties

Appearance	: liquid
Odor	: conforms to standard
Color	: Light yellow to pale yellow
Refractive Index, n_D^{20}	: 1.4608±0.010
Specific Gravity, d_{25}^{25}	: 1.0726±0.010
PH value	: 8.0max
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability	: not determined
Flash point	: 95°C
Oxidizing properties	: not determined
Boiling point	: not determined

10. Stability and reactivity

Conditions to avoid: Direct sources of heat.

Materials to avoid: Avoid contact with strong acids, alkali or oxidizing agents.

Substances to avoid: None in particular.

Hazardous decomposition products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity



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Acute Toxicity (Oral LD50)	: Not determined.
Acute Toxicity (Dermal LD50)	: Not determined
Acute Toxicity (Inhalation LC50)	: Not determined
Skin Corrosion/ Irritation	: Not determined.
Respiratory or skin sensitization	: Not determine
Germ Cell mutagenicity	: Not determined
Carcinogenicity	: Not determined
Reproductive Toxicity	: Not determined
Specific target organ toxicity - single exposure	: Not determined
Specific target organ toxicity - repeated exposure	: Not determined

Aspiration hazard:

Viscosity	: Not determined
Inhalation	: May cause sensitization by inhalation.
Ingestion	: May cause stomach pain or vomiting
Skin contact	: May cause an allergic skin reaction.
Eye contact	: May cause severe irritation to eyes.

12. Ecological information

No ecological studies have been carried out on this product.

12.1 Toxicity

Not available

12.2 Persistence and degradability

Not available

12.3 Bioaccumulative potential

Bioaccumulative potential : No data available

Partition coefficient : Not determined

12.4 Mobility in soil

Not relevant

12.5 Results of PBT and vPvB assessment



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PBT: Not applicable vPvB: Not applicable

12.6 Other adverse effects

No further relevant information available

12.7 Additional ecological information:

General notes:

Water hazard class 1(German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal considerations

Dispose of according to local regulations.

Avoid disposing into drainage systems and into the environment.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1 UN number:

ADR, IMDG, IATA Not applicable

14.2 UN Proper Shipping Name:

Proper Shipping Name Air freshener

14.3 Transport hazard class(es):

ADR, IMDG, IATA

Class Not applicable

Label: -

14.4. Packing Group:

ADR, IMDG, IATA Not applicable

14.5 Environmental hazards:

Marine pollutants: No

14.6 Special precautions for user:

Not applicable



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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

16. Other information

Risk Phrases In Full

- H226 Flammable liquid and vapour
- H302 May be harmful if swallowed and enters airways.
- H315 Causes skin irritation
- H317 May cause an allergic skin irritation
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness.
- H411 toxic to aquatic life with long lasting effects (Chronic)
- R10 Flammable.
- R22 Harmful if swallowed.
- R36 Irritating to eyes and skin.
- R38 Irritating to skin.
- R43 May cause sensitization by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R65 Harmful: may cause lung damage if swallowed

The contents and format of this MSDS are in accordance with Regulation (EC) No.1272/2008, (EC) No. 1907/2006, Regulation (EU) No.453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.



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DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangreuses 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 S