



# SAFETY DATA SHEET

WHITE JASMINE (LILIAL FREE)

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

### 1.1 Product identifier

WHITE JASMINE (LILIAL FREE)

### 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

No hazard specified.

#### Health Dangers

Skin irrit. 2: Causes skin irritation.

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

Eye Irrit. 2: Causes serious eye irritation.



# SAFETY DATA SHEET

86449126 WHITE JASMINE (LILIAL FREE) E21164728

## Environmental hazards

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

## 2.2 Label elements



GHS07

GHS09

### WARNING

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.

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.

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

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

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

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

EUH208: Contains 3-(p-CUMENYL)-2-METHYL PROPANAL, HEXYL SALICYLATE, CINNAMYL ALCOHOL, HELIOTROPINE, NEROL, GERANIOL, OCTAHYDRO TETRAMETHYL ACETONAPHTONE, DIMETHYL CYCLOHEXENE CARBOXALDEHYDE, CINNAMALDEHYDE. 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

CAS-No.: Not applicable

# SAFETY DATA SHEET

86449126 WHITE JASMINE (LILIAL FREE) E21164728

## 3.2 Mixtures

### Hazardous Substances

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
PHENETHYL ALCOHOL	60-12-8		[10 % , 20 %]	Acute Tox. 4 Oral, H302 Eye Irrit. 2, H319
CITRONELLOL	106-22-9		[10 % , 20 %]	Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319
HEXYL CINNAMAL	101-86-0		[5 % , 10 %]	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
LINALOOL	78-70-6	603-235-00-2	[5 % , 10 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
ISOBUTYLHYDROXYMETH. TETRAHYDROPYRAN	63500-71-0	603-101-00-3	[5 % , 10 %]	Eye Irrit. 2, H319
BENZYL ACETATE	140-11-4		[1 % , 5 %]	Aquatic Chronic 3, H412
BENZYL BENZOATE	120-51-4	607-085-00-9	[1 % , 5 %]	Acute Tox. 4 Oral, H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alpha TERPINEOL	98-55-5		[1 % , 5 %]	Skin irrit. 2, H315 Eye Irrit. 2, H319
CYCLAMEN ALDEHYDE	103-95-7		[1 % , 5 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
CETONE MIEL	68845-36-3		[1 % , 5 %]	Skin irrit. 2, H315 Aquatic Chronic 3, H412
PHENYLACETALDEHYDE DIMETHYLACETAL	101-48-4		[1 % , 5 %]	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
3-(p-CUMENYL)-2-METHYL PROPANAL	6658-48-6		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317
HEXYL SALICYLATE	6259-76-3		[0.1 % , 1 %]	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HHCB	1222-05-5	603-212-00-7	[0.1 % , 1 %]	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-Decen-5-ol, 4-methyl-	81782-77-6		[0.1 % , 1 %]	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
CINNAMYL ALCOHOL	104-54-1		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Skin Sens. 1B, H317
HELIOTROPINE	120-57-0		[0.1 % , 1 %]	Skin Sens. 1B, H317
NEROL	106-25-2		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
GERANIOL	106-24-1		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
OCTAHYDRO TETRAMETHYL ACETONAPHTONE	54464-57-2		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
DIMETHYL CYCLOHEXENE CARBOXYALDEHYDE	68039-49-6		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411



# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

CINNAMALDEHYDE	104-55-2		[0 % , 0.1 %]	Acute Tox. 4 Dermal, H312 Skin irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
----------------	----------	--	---------------	--

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.

## 6 Measures to adopt in case of accidental dispersion



# SAFETY DATA SHEET

WHITE JASMINE (LILIAL FREE)

## 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

**National OELs values**

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
BENZYL ACETATE	140-11-4	[1 % , 5 %]	CHINA: None

Issue date 04 MAR 2022

Version 2  
Model 8

## SAFETY DATA SHEET

WHITE JASMINE (LILIAL FREE)



			GERMANY: None FRANCE: None INDONESIA: 61 JAPAN: 10 (ACGIH) UNITED STATES: 10 (ACGIH)
--	--	--	--

*European Indicative OELs values*

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
PROPANOL, 2-METHOXYMETHYLETHOXY	34590-94-8	[20 % , 50 %]	308

## 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.

## 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): 91 °C (195.8 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.

# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9590 / 0.9690
- 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.

### 10.3 Possibility of hazardous reactions

No data available.

# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

### 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)	3350.9 (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)
PHENETHYL ALCOHOL	60-12-8	[10 % , 20 %[	2500 <i>Estimated</i>	1610 <i>Estimated</i>	> 100 <i>Estimated</i>
CITRONELLOL	106-22-9	[10 % , 20 %[	2650 <i>Estimated</i>	3450 <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>
LINALOOL	78-70-6	[5 % , 10 %[	> 5000 <i>Measured</i>	2790 <i>Measured</i>	> 100 <i>Estimated</i>
ISOBUTYLHYDROXYMETH. TETRAHYDROPYRAN	63500-71-0	[5 % , 10 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
BENZYL BENZOATE	120-51-4	[1 % , 5 %[	4000 <i>Estimated</i>	1500 <i>Estimated</i>	> 100 <i>Estimated</i>
Alpha TERPINEOL	98-55-5	[1 % , 5 %[	> 5000 <i>Estimated</i>	4300 <i>Estimated</i>	> 100 <i>Estimated</i>
CYCLAMEN ALDEHYDE	103-95-7	[1 % , 5 %[	> 5000 <i>Estimated</i>	3810 <i>Estimated</i>	> 100 <i>Estimated</i>
CETONE MIEL	68845-36-3	[1 % , 5 %[	> 5000 <i>Estimated</i>	2500 <i>Estimated</i>	> 100 <i>Estimated</i>
PHENYLACETALDEHYDE DIMETHYLACETAL	101-48-4	[1 % , 5 %[	> 5000 <i>Estimated</i>	2500 <i>Estimated</i>	> 100 <i>Estimated</i>
3-(p-CUMENYL)-2-METHYL PROPANAL	6658-48-6	[0.1 % , 1 %[	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>



## SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

HEXYL SALICYLATE	6259-76-3	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
CINNAMYL ALCOHOL	104-54-1	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	2000 <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>
NEROL	106-25-2	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	4500 <i>Measured</i>	> 100 <i>Estimated</i>
GERANIOL	106-24-1	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	3600 <i>Estimated</i>	> 100 <i>Estimated</i>
OCTAHYDRO TETRAMETHYL ACETONAPHTONE	54464-57-2	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <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>
CINNAMALDEHYDE	104-55-2	[0 % , 0.1 %]	1100 <i>Estimated</i>	2500 <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.

Carcinogenicity : 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

No data available.



# SAFETY DATA SHEET

WHITE JASMINE (LILIAL FREE)

## 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.

### 12.6 Information on other hazards



# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

### 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	: 3082
Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( PERFUMERY PRODUCTS )
Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
Packaging group	: III
Environmental dangers	: Yes.
Tunnel restriction code	: -

### IATA

UN number	: 3082
Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( PERFUMERY PRODUCTS )
Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
Packaging group	: III
Environmental dangers	: Yes.

### IMDG

UN number	: 3082
Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( PERFUMERY PRODUCTS ) POLLUTANT
Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND



# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

	Packaging group	ARTICLES
	Environmental dangers	: III
	Marine pollutants	: Yes.
		: P - pollutant
<b>RID</b>		
	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( PERFUMERY PRODUCTS )
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group	: III
	Environmental dangers	: Yes.
	Tunnel restriction code	: -

### 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.
Mixture of: cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol / trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	01-0000015458-64-XXXX
Mixture of diastereoisomers of 1-(1-hydroxyethyl)-4-(1-methylethyl)cyclohexane	01-0000015705-69-XXXX
(2-methoxymethylethoxy)propanol	01-2119450011-60-XXXX
citronellol	01-2119453995-23-XXXX
oxydipropanol	01-2119456811-38-XXXX
Ionone, methyl-	01-2119471851-35-XXXX
Linalool	01-2119474016-42-0008
Reaction Mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	01-2119489989-04-XXXX
alpha-hexyl cinnamic aldehyde	01-2119533092-50-XXXX
isopropyl myristate	01-2119541806-35-XXXX
terpineol	01-2119553062-49-XXXX
benzyl acetate	01-2119638272-42-XXXX
hexyl salicylate	01-2119638275-36-XXXX
Cinnamyl alcohol	01-2119934496-29-XXXX
triethyl citrate	01-2119955435-32-XXXX
2-phenylethanol	01-2119963921-31-XXXX
cis-hex-3-en-1-ol	01-2119969743-23-XXXX
3-p-cumenyl-2-methylpropionaldehyde	01-2119970582-32-XXXX

# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)

benzyl benzoate	01-2119976371-33-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
4-methyl-3-decen-5-ol	01-2119983528-21-XXXX
Piperonal	01-2119983608-21-XXXX
Phenethyl phenylacetate	01-2120104570-72-XXXX
$\alpha,\alpha$ -dimethylphenethyl acetate	01-2120258394-51-XXXX
Methyl phenylacetate	01-2120740957-42-XXXX
1,1-dimethoxy-2-phenylethane	01-2120742339-50-XXXX
3-(p-cumenyl)-2-methylpropionaldehyde	01-2120770116-58-XXXX

### 15.2 Chemical safety assessment

No data available.

## [x] 16 Other information

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

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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 Dermal : Acute toxicity Category 4 Dermal

# SAFETY DATA SHEET

## WHITE JASMINE (LILIAL FREE)



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
Eye Dam. 1	: Serious eye damage/eye irritation Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
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 EFFA 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.**