



SAFETY DATA SHEET

STRAWBERRY Y_1110716

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

STRAWBERRY Y_1110716

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

Supplier : V. MANE Fils
Address : 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone : (33).4.93.09.70.00 (Only during office hours)
e-mail : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone number : NCEC (regional) + 44 1865 407333 / (local) +90 212 375 5231

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 Sens. 1: May cause an allergic skin reaction.

Environmental hazards

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

2.2 Label elements



GHS07



GHS09

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**WARNING**

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

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

P273: Avoid release to the environment.

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

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

P391: Collect spillage.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains METHYL CINNAMATE, LINALOOL, ANISYL ALCOHOL, alpha-ISOMETHYL IONONE, ETHYL METHYLPHENYLGLYCIDATE, ANISYL ACETATE, LINALYL ACETATE, ESTRAGOLE, HEXYL SALICYLATE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: 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

3.2 Mixtures

Hazardous Substances

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
ETHYL MALTOL	4940-11-8		[1 % , 5 %[Acute Tox. 4 Oral, H302
ALLYL HEXANOATE	123-68-2		[1 % , 5 %[Acute Tox. 3 Oral, H301 Acute Tox. 3 Dermal, H311 Acute Tox. 3 Inhalation, H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
GAMMA-UNDECALACTONE	104-67-6		[1 % , 5 %[Aquatic Chronic 3, H412
HHCB	1222-05-5	603-212-00-7	[1 % , 5 %[Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BUTYLATED HYDROXYTOLUENE	128-37-0		[1 % , 5 %[Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEXYL CINNAMAL	101-86-0		[1 % , 5 %[Skin Sens. 1B, H317

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				Aquatic Acute 1, H400 Aquatic Chronic 2, H411
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
2,6-dimethyloct-7-en-2-ol	18479-58-8		[1 % , 5 %]	Skin irrit. 2, H315 Eye Irrit. 2, H319
ETHYL HEXANOATE	123-66-0		[1 % , 5 %]	Flam. Liq. 3, H226 Skin irrit. 2, H315
ETHYL BUTYRATE	105-54-4		[1 % , 5 %]	Flam. Liq. 3, H226 Eye Irrit. 2, H319
METHYL CINNAMATE	103-26-4		[0.1 % , 1 %]	Skin Sens. 1B, H317
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
ANISYL ALCOHOL	105-13-5		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
alpha-ISOMETHYL IONONE	127-51-5		[0.1 % , 1 %]	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
ETHYL METHYLPHENYLGLYCIDATE	77-83-8		[0.1 % , 1 %]	Skin Sens. 1, H317 Aquatic Chronic 2, H411
ANISYL ACETATE	104-21-2		[0.1 % , 1 %]	Skin Sens. 1B, H317
DELTA DAMASCONONE	57378-68-4		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALYL ACETATE	115-95-7		[0.1 % , 1 %]	Skin irrit. 2, H315 Skin Sens. 1, H317
ESTRAGOLE	140-67-0		[0.1 % , 1 %]	Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1B, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Chronic 3, H412
HEXYL SALICYLATE	6259-76-3		[0.1 % , 1 %]	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ISOEUGENOL	97-54-1	604-094-00-X	[0.1 % , 1 %]	EUH 208 SKIN, EUH208 Acute Tox. 4 Oral, H302 Acute Tox. 4 Dermal, H312 Skin irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332 STOT SE 3 (RI), H335

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

4 FIRST AID MEASURES

4.1 Description of first aid measures



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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 Suitable 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 ACCIDENTAL RELEASE MEASURES

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 materials for containment and cleanup procedure

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)
BUTYLATED HYDROXYTOLUENE	128-37-0	[1 % , 5 %]	CHINA: None GERMANY: 10 FRANCE: 10 INDONESIA: 10 JAPAN: None UNITED STATES: None
LIMONENES	138-86-3	[1 % , 5 %]	CHINA: None GERMANY: 28 FRANCE: None INDONESIA: None JAPAN: None UNITED STATES: 30 (AIHA)

European Indicative OELs values

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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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: GREEN YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 75 °C (167 °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: 0.9810 / 1.0110
- Solubility: No data available.

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- 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.

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.

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10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg) > 5000 (Unknown: 0%) (Calculated)
 LD50 Oral(mg/kg) 4326.9 (Unknown: 0%) (Calculated)
 CL50 Inhalation - vapor(mg/l) 69.930 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
ETHYL MALTOL	4940-11-8	[1 % , 5 %]	> 5000 <i>Estimated</i>	1200 <i>Measured</i>	> 100 <i>Estimated</i>
ALLYL HEXANOATE	123-68-2	[1 % , 5 %]	300 <i>Estimated</i>	300 <i>Estimated</i>	3 <i>Estimated</i>
HEXYL CINNAMAL	101-86-0	[1 % , 5 %]	> 5000 <i>Estimated</i>	3100 <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>
2,6-dimethyloct-7-en-2-ol	18479-58-8	[1 % , 5 %]	> 5000 <i>Estimated</i>	3600 <i>Estimated</i>	> 100 <i>Estimated</i>
ETHYL HEXANOATE	123-66-0	[1 % , 5 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
ETHYL BUTYRATE	105-54-4	[1 % , 5 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
METHYL CINNAMATE	103-26-4	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	2610 <i>Estimated</i>	> 100 <i>Estimated</i>
LINALOOL	78-70-6	[0.1 % , 1 %]	> 5000 <i>Measured</i>	2790 <i>Measured</i>	> 100 <i>Estimated</i>
ANISYL ALCOHOL	105-13-5	[0.1 % , 1 %]	3000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
alpha-ISOMETHYL IONONE	127-51-5	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
ETHYL METHYLPHENYLGLYCIDATE	77-83-8	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
ANISYL ACETATE	104-21-2	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <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>
LINALYL ACETATE	115-95-7	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>
ESTRAGOLE	140-67-0	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	1230 <i>Estimated</i>	> 100 <i>Estimated</i>
HEXYL SALICYLATE	6259-76-3	[0.1 % , 1 %]	> 5000 <i>Estimated</i>	> 5000 <i>Estimated</i>	> 100 <i>Estimated</i>

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ISOEUGENOL	97-54-1	[0.1 % , 1 %]	1912 <i>Measured</i>	1500 <i>Measured</i>	11 <i>Estimated</i>
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Skin corrosion/irritation : No data available.
 Specific Target Organ - Repeated Exposure : No data available.
 Respiratory Sensitization : No data available.
 Reproductive toxicity : No data available.
 Germ cell mutagenicity : No data available.
 Serious eye damage/irritation : No data available.
 Skin Sensitization : No data available.
 Aspiration Hazard : No data available.
 Specific Target Organ - Single Exposure : No data available.
 Specific Target Organ (NE) - Single Exposure : No data available.
 Cancerogenicity : No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

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

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information



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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 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.

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Danger class(es) for transport : (PERFUMERY PRODUCTS)
: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
ARTICLES
Packaging group : III
Environmental dangers : Yes.
Tunnel restriction code : E

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
ARTICLES
Packaging group : III
Environmental dangers : Yes.
Marine pollutants : P - pollutant

RID

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 : E

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.
linalyl acetate	01-2119454789-19-XXXX

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oxydipropanol	01-2119456811-38-XXXX
2,6-dimethyloct-7-en-2-ol	01-2119457274-37-XXXX
Ionone, methyl-	01-2119471851-35-XXXX
Linalool	01-2119474016-42-0008
ethyl acetate	01-2119475103-46-XXXX
2,6-di-tert-butyl-p-cresol	01-2119480433-40-XXXX
Orange, sweet, ext.	01-2119493353-35-0016
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
benzyl acetate	01-2119638272-42-XXXX
hexyl salicylate	01-2119638275-36-XXXX
Undecan-4-olide	01-2119959333-34-XXXX
decan-4-olide	01-2119959334-32-0004
2-phenylethanol	01-2119963921-31-XXXX
Ethyl 2,3-epoxy-3-phenylbutyrate	01-2119967770-28-XXXX
cis-hex-3-en-1-ol	01-2119969743-23-XXXX
cis-2-tert-butylcyclohexyl acetate	01-2119970713-33-XXXX
Methyl cinnamate	01-2119979458-16-XXXX
allyl hexanoate	01-2119983573-26-XXXX
4-methoxybenzyl alcohol	01-2120105147-68-XXXX
ethyl butyrate	01-2120118576-54-0006
(E)-2-methoxy-4-(prop-1-enyl)phenol	01-2120223682-61-XXXX
Ethyl hexanoate	01-2120749104-60-0001
p-methoxybenzyl acetate	01-2120752374-54-XXXX
4-allylanisole	01-2120783278-41-XXXX

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

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

EUH208	Contains #. May produce an allergic reaction.
H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.

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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.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

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. 3 Dermal	: Acute toxicity Category 3 Dermal
Acute Tox. 4 Dermal	: Acute toxicity Category 4 Dermal
Acute Tox. 3 Inhalation	: Acute toxicity Category 3 Inhalation
Acute Tox. 4 Inhalation	: Acute toxicity Category 4 Inhalation
Acute Tox. 3 Oral	: Acute toxicity Category 3 Oral
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
Carc. 2	: Carcinogenicity Category 2
EUH 208 SKIN	:
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Muta. 2	: Germ cell mutagenicity Category 2
Skin irrit. 2	: Skin corrosion/irritation Category 2

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Skin Sens. 1 : Skin sensitizer Category 1
Skin Sens. 1A : Skin sensitizer Category 1A
Skin Sens. 1B : Skin sensitizer Category 1B
STOT SE 3 (RI) : Specific target organ toxicity - single exposure Category 3 Respiratory Tract

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 EFA 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.**