

Firmenich

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (as amended)

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

010760 E
OUD SYNTH
© Firmenich product

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

Fragrance ingredient for use in consumer products.
Not for personal use in this form or concentration.
Intended to be used in the manufacture of products for consumers.

1.3 Details of the supplier of the safety data sheet

Bella Mistry
Firmenich UK Ltd
Hayes Road, Southall
MIDDLESEX UB2 5NN - UNITED KINGDOM
bella.mistry@firmenich.com
Tel: +44 208 843 61 11, Fax: +44 208 843 62 38

1.4 Emergency telephone number

Tel:+41.22.780.37.90
Available 24/7 (NCEC)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 [CLP/GHS] as amended

Aspiration Hazard - Cat. 1	H304
Environmental Hazard (chronic) - Cat. 2	H411

Classification according to 67/548/EEC or 1999/45/EC as amended

Symbols:

Xn	Harmful
N	Dangerous for the environment

Risks Phrases:

R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Additional information

Full text of listed statements : See section 16

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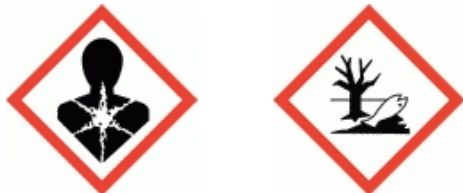
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2.2 Label elements

Hazard pictograms:



Signal Word:

Danger

Hazard Statements:

H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P391 Collect spillage.
P331 Do NOT induce vomiting.
P405 Store locked up.

Supplemental Hazard information (EU):

Contains: Safranal, Linolenic Acid. May produce an allergic reaction.

Hazard Inducers:

1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-

2.3 Other hazards

No data available at this time.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Mixture of aromatic substances.

Contains :

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$\geq 20.0 < 30.0\%$

Resin Acids And Rosin Acids, Hydrogenated, Me Esters
N° CAS : 0008050-15-5
N° EINECS: 232-476-2

Classification: - R52/53

GHS Classification:
Environmental Hazard (chronic) - Cat. 3 [H412]

$\geq 2.5 < 5.0\%$

1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-
N° CAS : 0007212-44-4
N° EINECS: 230-597-5

Classification: N - R50/53

GHS Classification:
Eye Irritation - Cat.2 [H319]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 1 [H410]

$\geq 1.0 < 2.5\%$

Oils, Myrrh
N° CAS : 0008016-37-3
N° EINECS: 232-543-6

Classification: Xn - R22

GHS Classification:
Acute Toxicity (oral) - Cat. 4 [H302]

$\geq 0.1 < 0.5\%$

2-Furaldehyde
N° CAS : 0000098-01-1
N° EINECS: 202-627-7

Classification: T - R21,R23/25,R40,R36/37/38

GHS Classification:
Carcinogenicity - Cat. 2 [H351]
Acute Toxicity (oral) - Cat. 3 [H301]
Acute Toxicity (inhalation) - Cat. 2 [H330]
Acute Toxicity (dermal) - Cat. 4 [H312]
Specific Target Organ Toxicity - Single Exposure -
Cat. 3 Respiratory Irritation [H335]
Skin Irritation - Cat. 2 [H315]
Eye Irritation - Cat.2 [H319]

$\geq 0.1 < 0.5\%$

9,12,15-Octadecatrienoic Acid, (Z,Z,Z)-
N° CAS : 0000463-40-1
N° EINECS: 207-334-8

Classification: Xi - R43

GHS Classification:
Skin Sensitization - Cat. 1B [H317]

$\geq 0.1 < 0.5\%$

1,3-Cyclohexadiene-1-Carboxaldehyde, 2,6,6-
Trimethyl-
N° CAS : 0000116-26-7
N° EINECS: 204-133-7

Classification: Xi - R43,R38

GHS Classification:
Skin Sensitization - Cat. 1B [H317]
Skin Irritation - Cat. 2 [H315]
Eye Irritation - Cat.2 [H319]

4 FIRST-AID MEASURES

4.1 Description of first aid measures

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General information:

As in all cases of potential poisoning, Obtain medical advice immediately.

In case of eye contact:

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

In case of inhalation:

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately.

In case of skin contact:

Remove contaminated clothes. Wash skin with large volumes of water.

If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

In case of ingestion:

Rinse mouth with water. Obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available on the product itself.

4.3 Indication of immediate medical attention and special treatment needed

None known.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

5.2 Special hazard arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

No specific advice.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment).

Avoid skin contamination and inhalation of vapour.

Individual washing routines should be followed after any potential contact.

Ensure adequate ventilation in working areas following accidental releases.

For emergency personnel:

Apply the same recommendations as section 6.1

6.2 Environmental precautions

Do not discharge directly into drains, air, into soil or into the aquatic environment.

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6.3 Methods and material for containment and cleaning up

For containment:

Any absorbent used for cleaning up spillage should be disposed promptly, accordingly to local regulation. Gross spillages should be contained by any means, and disposal of this should be in accordance with Government Regulations.

For cleaning-up:

Spillages should be disposed of in accordance with Governmental Regulations.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Wear adequate protective gloves protection and eye/face protection.

No smoking. Avoid any sources of ignition.

Avoid exposing to high temperature during processing.

Do not ingest or apply to the skin as such. Good personal washing routines should be followed.

Maintain adequate local and general ventilation where product is handled.

Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

Advice on general occupational hygiene

Good personal washing routines should be followed.

7.2 Conditions for safe storage, including any incompatibilities

It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container.

Respect general rules for compatibility storage.

7.3 Specific end use(s)

Not available at this time.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

0000098-01-1 : 2-furaldehyde (All forms)

UK Occupational Exposure Limits EH40 - WEL (2000-FEB)

STEL-WEL (2000-FEB) : 5 ppm , 15 minutes (All forms)

STEL-WEL (2000-FEB) : 20 mg/m³ , 15 minutes (All forms)

TWA-WEL (2000-FEB) : 2 ppm , 8 hours (All forms)

TWA-WEL (2000-FEB) : 8 mg/m³ , 8 hours (All forms)

8.2 Exposure controls

Avoid exposing to high temperature during processing.

Maintain adequate local and general ventilation where product is handled.

Appropriate engineering controls

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Maintain adequate local and general ventilation where product is handled and dispensed.

Environmental exposure controls

Not available at this time. Minimize release to the environment.

Personal protection

Respiratory protection: Where ventilation (LEV) is inadequate to prevent any inhalation of substances, use adequate respiratory apparatus.

Hand protection: Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals. Preferred glove barrier materials: Neoprene and Nitrile. When prolonged or frequently repeated contact may occur, a glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374) is recommended. Thickness > or = 0,2mm.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Eye protection: Adequate safety glasses should be used.

Skin protection: Wear protective clothing, overall if necessary to limit the odour contamination of personal clothing. Individual washing routines should be followed after any potential contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance :	VISCOUS AND CLOUDY LIQUID
Colour :	DARK YELLOW TO BROWN
Odour :	Characteristic strong odour according to the commercial description of the substance.
pH :	Not available
Melting point/range (°C) :	Not available
Initial boiling point/range (°C) :	Not available
Flash point (closed cup) :	> 100°C
Evaporation rate :	Not available
Flammability (solid/gas) :	Not available
Upper/lower flammability or explosive limits :	Not available
Vapour pressure (Pa) :	Not applicable
Vapour density :	Not available
Relative density (d 20/20) :	0.994 - 1.004
Water solubility (20°C) :	Not applicable
Partition coef. (n-octanol/water) :	Not applicable
Auto-ignition temperature (°C) :	Not available
Decomposition temperature :	Not available
Viscosity :	Not available

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Explosive properties : Not available
Oxidizing properties : Not available

9.2 Other safety information
None

10 STABILITY AND REACTIVITY

10.1 Reactivity
No reaction known with water.

10.2 Chemical stability
Good stability at standard temperature.

10.3 Possibility of hazardous reactions
Not known.

10.4 Conditions to avoid
Avoid temperatures above or at least 5 °C below flash point for any flammable liquids.
Do not heat closed containers.
Avoid contact with oxidizing agents.

10.5 Incompatible materials
Not known.

10.6 Hazardous decomposition products
Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

This mixture has not been subjected to toxicological testing as an entity. According to available data on the constituents the health classification criteria are met.

12 ECOLOGICAL INFORMATION

This mixture has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are met.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste.

Contaminated packaging: for used, contaminated and residual materials additional evaluations may be required.

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Do not dump into any sewers, on the ground, or into any body of water.

14 TRANSPORT INFORMATION

In case of accidental spillage or fire during transport, refer to instructions given under points 5, 6, 7 and 8 above.

UNO

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NEROLIDOL)
Class: 9
Packing Group: III
Hazardous to the Environment

Land transport (ADR/RID)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NEROLIDOL)
Class: 9
Packing group: III

Sea transport (IMDG-Code)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NEROLIDOL)
Class: 9
Packing group: III
Marine pollutant

Air transport (ICAO-IATA)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NEROLIDOL)
Class: 9
Packing group: III

15 REGULATORY INFORMATION

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

EU Regulations

No relevant information available at this time.

15.2 Chemical Safety Assessment

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No data available at this time

16 OTHER INFORMATION

Revisions

- 01-Dec-2010: Version 6.1 - First version validated for publication
- 04-May-2012: Version 6.2 - Updates to sections 1, 2, 3, 8.3, 11, 12, 16.
- 20-Apr-2013: Version 6.3 - Updates to sections 1, 2, 3, 6, 8.1, 14, 16.
- 07-July-2014: Version 6.4 Updates to sections 2, 3, 14, 16.
- 30-May-2015: Version 6.5 Updates to sections 2, 3, 7, 8, 9,13,14,16

Key literature references

- RIFM database
- OECD SIDS
- EU IUCLID
- Supplier information

Full text of phrases used under section 2

- | | |
|-----------|---|
| S57 | Use appropriate container to avoid environmental contamination. |
| S61 | Avoid release to the environment. Refer to special instructions/Safety data sheets. |
| S62 | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |
| H304 | May be fatal if swallowed and enters airways. |
| H411 | Toxic to aquatic life with long lasting effects. |
| P273 | Avoid release to the environment. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P391 | Collect spillage. |
| P331 | Do NOT induce vomiting. |
| P405 | Store locked up. |

Full text of phrases used under section 3

- | | |
|------|------------------------------|
| H351 | Suspected of causing cancer. |
|------|------------------------------|

We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Firmenich, it is the user's obligation to determine conditions of safe use of the product.

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