

Firmenich

GHS Safety Data Sheet

According to Regulation ST/SG/AC.10/30/Rev.8 UN GHS

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

940888

ETHYL LINALOL

© Firmenich product

CAS No: 10339-55-6

EC No: 233-732-6

EU REACH No: 01-2119969272-32

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

Firmenich Asia Private Ltd

No 10 Tuas West Road

Singapore 638377

SINGAPORE

Tel: +(65) 6347 2888

GRS.Fragrance.FIRSIN@firmenich.com

1.4 Emergency telephone number

+65 3158 1074 NCEC - Available 24/7

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation ST/SG/AC.10/30/Rev.8 [UN/GHS]

Flammable Liquid - Cat. 4	H227
Acute Toxicity (oral) - Cat. 5	H303
Skin Irritation - Cat. 3	H316
Skin Sensitization - Cat. 1B	H317
Eye Irritation - Cat.2A	H319
Environmental Hazard (acute) - Cat. 3	H402

2.1.2 Additional information

Full text of listed statements : See section 16

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2.2 Label elements

Hazard pictograms:



Signal Word:
Warning

Hazard Statements:

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H227	Combustible liquid
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H402	Harmful to aquatic life.

Precautionary Statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235	Store in a well-ventilated place. Keep cool.

2.3 Other hazards

No data available at this time.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical substance.

Contains :

>= 99.0 <= 100.0%
Ethyl Linalool
N° CAS : 0010339-55-6
N° EINECS: 233-732-6
N° EU REACH: 01-2119969272-32

GHS Classification:

Skin Sensitization - Cat. 1B [H317]
Eye Irritation - Cat.2A [H319]
Skin Irritation - Cat. 3 [H316]
Environmental Hazard (acute) - Cat. 3 [H402]
Acute Toxicity (oral) - Cat. 5 [H303]
Flammable Liquid - Cat. 4 [H227]

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4 FIRST-AID MEASURES

4.1 Description of first aid measures

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 specific data available.

4.3 Indication of immediate medical attention and special treatment needed

No specific data available.

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:

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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.

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.

7.1.1 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.

7.1.2 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

Contains no substances with occupational exposure limit values

Derived No Effect Level (DNEL)

No data available

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Predicted No Effect Concentration (PNEC)

No data available

8.2 Exposure controls

Avoid exposing to high temperature during processing.

Maintain adequate local and general ventilation where product is handled.

8.2.1 Appropriate engineering controls

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

8.2.2 Environmental exposure controls

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

8.3 Personal protection

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

Hand protection: Adequate Protective Gloves should be worn.

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 :	LIQUID
Colour :	COLOURLESS TO PALE YELLOW
Odour :	Characteristic strong odour according to the commercial description of the substance.
pH :	Not available
Melting point/range (°C) :	< -73 °C (OECD 102)
Initial boiling point/range (°C) :	= 215.29 °C
Flash point (closed cup) :	= 86°C
Evaporation rate :	Not available
Flammability (solid/gas) :	Flammable
Explosive properties (St class) :	N/A
Vapour pressure (Pa) :	VP = 18 Pa at 25°C (OECD 104)
Vapour density :	Not available
Relative density (d 20/20) :	= 0.8621 at 20°C (OECD 109)
Water solubility (20°C) :	= 656.0 mg/l at 20°C (OECD 105)
Partition coef. (n-octanol/water) :	Log Kow = 3.3 (OECD 107)
Auto-ignition temperature (°C) :	= 260 °C at 98.5kPa (Method A15)
Decomposition temperature :	Not available
Viscosity :	= 7.28 mPa.s at 20°C (OECD 114)
Explosive properties :	Not available
Oxidizing properties :	Not available

9.2 Other safety information

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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

(a) acute toxicity

Acute oral toxicity (Mouse, Oral): LD50 = 5283 mg/kg

Acute dermal toxicity (Rabbit): LD50 > 5000 mg/kg

Data on analogue - Acute Toxicity by inhalation (Rat, OECD 403, Mist): LC50 > 1.0 mg/l

(b) skin corrosion/irritation

In vitro Skin irritation (EpiDerm, OECD 439): Irritant

Primary Skin irritation (OECD 404 modified) (Rabbit): Irritant

(c) serious eye damage/irritation

Acute Eye irritation (Rabbit): Irritant

(d) respiratory or skin sensitisation

Local Lymph Node Assay (LLNA) OECD 429: Sensitising to skin

(e) germ cell mutagenicity

Bacterial Reverse Mutation test (Ames) (Salmonella, OECD 471, With and without S9, 5 strains):

Non mutagenic

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Data on analogue - In Vivo Mammalian Erythrocyte Micronucleus Test (Mouse, OECD 474, Gavage): Non mutagenic
Data on analogue - In vitro mammalian cell gene mutation test (Mouse, L5178Y cells, OECD 476, TK6 assay): Non mutagenic
Data on analogue - In vitro Mammalian Chromosome Aberration Test (Chinese hamster, OECD 473): No chromosomal aberration

(f) carcinogenicity
No data available

(g) reproductive toxicity
Data on analogue - Reproduction/Developmental Toxicity Screening Test (Rat, OECD 421, Gavage): NOAEL (female reproduction) = 365 mg/kg/day
Data on analogue - Prenatal development toxicity (Rat, Gavage, 11 day(s)): NOAEL (development) = 1000 mg/kg/day

(h) STOT-single exposure
No data available

(i) STOT-repeated exposure
Data on analogue - Repeated Dose 28-Day Oral Toxicity Study in Rodents (Rat, OECD 407, Gavage): NOAEL = 200 mg/kg/day
Data on analogue - Subchronic Dermal Toxicity Study, 90 days (Rat, OECD 411): NOAEL = 250 mg/kg/day

(j) aspiration hazard
No data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Alga, Growth Inhibition Test (*Scenedesmus subspicatus*, OECD 201, Static):
72 h ErC50 = 25.1 mg/l (Based on average measured concentrations)
72 h NOEC = 6.3 mg/l (Based on average measured concentrations)
Daphnia sp. Acute Immobilisation Test (OECD 202, Static): 48h EC50 = 23 mg/l (Based on nominal concentrations)
Fish, Acute Toxicity Test (Zebra fish, OECD 203, Semi-static): 96h = 24 mg/l (Based on nominal concentrations)

12.2 Persistence and degradability

Ready Biodegradation - Manometric Respirometry Test (OECD 301F, Sludge): Readily biodegradable (91% in 28 day(s))

12.3 Bioaccumulative potential

Log Kow = 3.3 (OECD 107)

12.4 Mobility in soil

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No data available

12.5 Results of PBT and vPvB assessment
Not applicable

12.6 Other adverse effects
No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: The product should be handled according to the instructions given under sections 6, 7 and 8. Dispose of according to local or national regulations. The product should not be allowed to enter drains or the environment

Contaminated packaging: Empty packaging should be disposed according to local or national regulations by an approved waste handling

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

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A
14.3 Class:	----
14.4 Packing Group:	---
14.5 Environmental hazards:	No

Land transport (ADR/RID)

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A
14.3 Class:	----
14.4 Packing Group:	---
14.5 Environmental hazards:	No
14.6 Special precautions for user:	Refer to section 7

Sea transport (IMDG-Code)

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A

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14.3 Class: ----
14.4 Packing Group: ---
14.5 Environmental hazards: No
14.6 Special precautions for user: Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments: Not applicable

Air transport (ICAO-IATA)

14.1 UN-No: Not regulated
14.2 Proper Shipping Name: N/A
14.3 Class: ----
14.4 Packing Group: ---
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments: Not applicable

15 REGULATORY INFORMATION

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

No relevant information available at this time.

15.2 Chemical Safety Assessment

No data available at this time.

16 OTHER INFORMATION

16.1 Revisions

March-2024 : Version 13.0 - Updates to sections 2, 3, 9, 14, 16

16.2 Key literature references

RIFM database
OECD SIDS
EU IUCLID
Supplier information

16.3 Full text of phrases used under section 2

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H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H227	Combustible liquid
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H402	Harmful to aquatic life.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use appropriate fire extinguishers for fire control.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.

16.4 Full text of phrases used under section 3

H227	Combustible liquid
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H402	Harmful to aquatic life.

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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