

Firmenich

GHS Safety Data Sheet - CLP

According to Regulation (EC) No 2015 / 830

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

184062 D
GRAPEFRUIT BASE
© Firmenich product

UFI : 3AE7-9044-900T-XJRW

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 & Cie SAS
41-43, rue de Villiers
92200 Neuilly-sur-Seine
FRANCE
Tel: +33 1 40 88 73 42

GRS.EU.FRAGRANCE.EXPERTS@firmenich.com

1.4 Emergency telephone number

+44 1235 239 670 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

Skin Irritation - Cat. 2	H315
Skin Sensitization - Cat. 1	H317
Environmental Hazard (chronic) - Cat. 2	H411

Additional information

Full text of listed statements : See section 16

2.2 Label elements

Hazard pictograms:

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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:

P261 Avoid breathing mist/vapours.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P391 Collect spillage.

Supplemental Hazard information (EU):

Contains: Citral, Allyl Cyclohexylpropionate, Linalool, Citrathal, Limonene, Citronellol, Trimethyl Undecylenic Aldehyde, Dodecenal, 2-

Hazard Inducers:

1-Naphthalenol, 1,2,3,4,4a,5,8,8a-octahydro-2,2,6,8-tetramethyl-limonene

2.3 Other hazards

No data available at this time.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Mixture of aromatic substances.

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Contains :

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-0000018107-74

N° ELINCS: 434-960-0

Other Identifiers:

1-Naphthalenol, 1,2,3,4,4a,5,8,8a-Octahydro-2,2,6,8-Tetramethyl-

N° CAS: 0103614-86-4

GHS Classification:

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (acute) - Cat. 1 [H400]

Environmental Hazard (chronic) - Cat. 1 [H410]

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-2119529223-47

EC CAS: 0005989-27-5

Limonene

N° EINECS: 227-813-5

Aspiration Hazard - Cat. 1 [H304]

Skin Sensitization - Cat. 1B [H317]

Skin Irritation - Cat. 2 [H315]

Environmental Hazard (acute) - Cat. 1 [H400]

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

Flammable Liquid - Cat. 3 [H226]

>=2.5 < 5.0%

EU Specific Identifiers:

Other Identifiers:

Benzenepropanol, .Alpha.,.Gamma.,.Gamma.-

Trimethyl-, Acetate

N° CAS: 0068083-58-9

Skin Irritation - Cat. 2 [H315]

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

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-2119457274-37

EC CAS: 0018479-58-8

7-Octen-2-ol, 2,6-Dimethyl-

N° EINECS: 242-362-4

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-2120767467-40

EC CAS: 0147060-73-9

2,6-Octadienal, 3,7-Dimethyl-, Reaction Products With Et Alc.

Skin Sensitization - Cat. 1B [H317]

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

Flammable Liquid - Cat. 3 [H226]

>=2.5 < 5.0%

EU Specific Identifiers:

N° EU REACH: 01-2119458866-21

EC CAS: 0002216-51-5

Cyclohexanol, 5-Methyl-2-(1-Methylethyl)-, (1r,2s,5r)-

N° EINECS: 218-690-9

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

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>= 1.0 < 2.5%

EU Specific Identifiers:
N° EU REACH: 01-2119983573-26
EC CAS: 0000123-68-2
Hexanoic Acid, 2-Propenyl Ester
N° EINECS: 204-642-4

Acute Toxicity (oral) - Cat. 3 [H301]
Acute Toxicity (dermal) - Cat. 3 [H311]
Acute Toxicity (inhalation) - Cat. 3 [H331]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 3 [H412]

>= 1.0 < 2.5%

EU Specific Identifiers:
N° EU REACH: 01-2119976355-27
EC CAS: 0002705-87-5
Cyclohexanepropanoic Acid, 2-Propenyl Ester
N° EINECS: 220-292-5

Skin Sensitization - Cat. 1 [H317]
Acute Toxicity (oral) - Cat. 4 [H302]
Acute Toxicity (dermal) - Cat. 4 [H312]
Acute Toxicity (inhalation) - Cat. 4 [H332]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 1 [H410]

>= 0.5 < 1.0%

EU Specific Identifiers:
N° EU REACH: 01-2120111676-59
EC CAS: 0020407-84-5
2-Dodecenal, (E)-
N° EINECS: 243-797-2

Skin Sensitization - Cat. 1B [H317]
Skin Irritation - Cat. 2 [H315]
Eye Irritation - Cat.2 [H319]
Environmental Hazard (acute) - Cat. 1 [H400]

>= 0.5 < 1.0%

EU Specific Identifiers:
N° EU REACH: 01-2120807345-59
EC CAS: 0000099-87-6
Benzene, 1-Methyl-4-(1-Methylethyl)-
N° EINECS: 202-796-7

Reproductive Toxicity - Cat. 2 [H361]
Aspiration Hazard - Cat. 1 [H304]
Environmental Hazard (chronic) - Cat. 2 [H411]
Flammable Liquid - Cat. 3 [H226]

>= 0.1 < 0.5%

EU Specific Identifiers:
N° EU REACH: 01-2119453995-23
EC CAS: 0000106-22-9
6-Octen-1-ol, 3,7-Dimethyl-
N° EINECS: 203-375-0

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

>= 0.1 < 0.5%

EU Specific Identifiers:
EC CAS: 0005392-40-5
Citral
N° EINECS: 226-394-6
N° Index : 605-019-00-3

Skin Sensitization - Cat. 1 [H317]
Skin Irritation - Cat. 2 [H315]
Eye Irritation - Cat.2 [H319]

>= 0.1 < 0.5%

EU Specific Identifiers:
N° EU REACH: 01-2120139915-49
EC CAS: 0000141-13-9
9-Undecenal, 2,6,10-Trimethyl-
N° EINECS: 205-460-8

Skin Sensitization - Cat. 1B [H317]
Environmental Hazard (acute) - Cat. 1 [H400]
Environmental Hazard (chronic) - Cat. 1 [H410]

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>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2119976300-42

EC CAS: 0016409-43-1

2h-Pyran, Tetrahydro-4-Methyl-2-(2-Methyl-1-Propenyl)-

N° EINECS: 240-457-5

Reproductive Toxicity - Cat. 2 [H361]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2119474016-42

EC CAS: 0000078-70-6

Linalool

N° EINECS: 201-134-4

N° Index : 603-235-00-2

Skin Sensitization - Cat. 1B [H317]

Skin Irritation - Cat. 2 [H315]

Eye Irritation - Cat.2 [H319]

>= 0.1 < 0.5%

EU Specific Identifiers:

N° EU REACH: 01-2114900467-50

EC CAS: 0067634-00-8

Acetic Acid, (3-Methylbutoxy)-, 2-Propenyl Ester

N° EINECS: 266-803-5

Acute Toxicity (inhalation) - Cat. 2 [H330]

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

Skin Irritation - Cat. 2 [H315]

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 information available on the product itself.

4.3 Indication of immediate medical attention and special treatment needed

None known.

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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.

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

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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

0005989-27-5 : (R)-p-Mentha-1,8-dien (D-Limonen)

Germany TRGS 900 Limit Values Data

Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended

Occupational Exposure Limit data. Exposure limit(s): 28 mg/m³

Occupational Exposure Limit data. Exposure limit(s): 5 ppm

0005989-27-5 : D-Limonene

Germany DFG MAK (advisory) Data

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as amended

Occupational Exposure Limit data. Maximum allowable concentration: 28 mg/m³

Occupational Exposure Limit data. Maximum allowable concentration: 5 ppm

Derived No Effect Level (DNEL)

No data available

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.

Appropriate engineering controls

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

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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 :	LIQUID
Colour :	PALE YELLOW TO YELLOW
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) :	= 75°C
Evaporation rate :	Not available
Flammability (solid/gas) :	Not applicable
Explosive properties (St class) :	N/A
Vapour pressure (Pa) :	Not applicable
Vapour density :	Not available
Relative density (d 20/20) :	0.985 - 0.995
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
Explosive properties :	Not available
Oxidizing properties :	Not available

9.2 Other safety information

None

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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.

(a) acute toxicity

Calculated LD50 Oral: LD50 > 2000 mg/kg bw

(b) skin corrosion/irritation

Skin Irritation - Cat. 2

(c) serious eye damage/irritation

Not applicable

(d) respiratory or skin sensitisation

Skin Sensitization - Cat. 1

(e) germ cell mutagenicity

Not applicable

(f) carcinogenicity

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Not applicable

(g) reproductive toxicity
Not applicable

(h) STOT-single exposure
Not applicable

(i) STOT-repeated exposure
Not applicable

(j) aspiration hazard
Not applicable

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.

12.1 Toxicity
Environmental Hazard (chronic) - Cat. 2

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
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: 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

14.1 UN-No:	3082
14.2 Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (TETRAMETHYLOCTAHYDRONAPHTOL)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes

Land transport (ADR/RID)

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYLOCTAHYDRONAPHTOL)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes
14.6 Special precautions for user:	Refer to section 7
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable

Sea transport (IMDG-Code)

14.1 UN-No:	3082
14.2 Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYLOCTAHYDRONAPHTOL)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Yes
Marine pollutant:	Yes
Sea segregation group:	Not applicable
14.6 Special precautions for user:	Refer to section 7
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable

Air transport (ICAO-IATA)

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14.1 UN-No:	3082
14.2 Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (TETRAMETHYLOCTAHYDRONAPHTOL)
14.3 Class:	9
14.4 Packing Group:	III
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user:	Refer to section 7
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable

15 REGULATORY INFORMATION

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

European Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

National regulations (Germany):

Wassergefährdungsklasse (water hazard class): 3

15.2 Chemical Safety Assessment

No data available at this time

16 OTHER INFORMATION

Revisions

March-2021 : Version 10 - Updates to sections 1, 2, 3 ,8 ,9, 11, 12, 14, 15, 16

Key literature references

RIFM database
REACH
Supplier information

Full text of phrases used under section 2

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

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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.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.

Full text of phrases used under section 3

H226	Flammable liquid and vapour.
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.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
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.

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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