

# 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

**507949 A**  
STRAWBERRY FLAVOR  
© Firmenich product

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

Ingredient for use in products that may be ingested.  
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

**Kirsten Bech Jensen**  
Firmenich Denmark  
Agro Food Park 13  
8200 Aarhus N  
kirsten.bech.jensen@firmenich.com  
Tel: +45 89 41 37 00

#### 1.4 Emergency telephone number

+44 1235 239 670 Available 24/7 (NCEC)  
Poison Center: 82 12 12 12

### **2 HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

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

Flammable Liquid - Cat. 3	H226
Skin Irritation - Cat. 2	H315
Eye Damage - Cat.1	H318

#### Additional information

Full text of listed statements : See section 16

#### 2.2 Label elements

**Hazard pictograms:**

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### Signal Word:

Danger

### Hazard Statements:

H318 Causes serious eye damage.  
H226 Flammable liquid and vapour.  
H315 Causes skin irritation.

### Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P240 Ground/bond container and receiving equipment.  
P264 Wash thoroughly after handling.  
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
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+P233 Store in a well-ventilated place. Keep container tightly closed.

### Supplemental Hazard information (EU):

Contains: Methyl Cinnamate.  
May produce an allergic reaction.

### Hazard Inducers:

Butanoic acid, 2-methyl-

### 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 :

>= 15.0 < 20.0%

EU Specific Identifiers:

EC CAS : 0000064-19-7

Acetic Acid

N° EINECS: 200-580-7

N° Index : 607-002-00-6

### GHS Classification:

Skin Corrosion - Cat. 1A [H314]

Eye Damage - Cat.1 [H318]

Acute Toxicity (dermal) - Cat. 4 [H312]

Flammable Liquid - Cat. 3 [H226]

>=2.5 < 5.0%

EU Specific Identifiers:

EC CAS : 0000116-53-0

Butanoic Acid, 2-Methyl-

N° EINECS: 204-145-2

Skin Corrosion - Cat. 1C [H314]

Eye Damage - Cat.1 [H318]

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

Acute Toxicity (dermal) - Cat. 4 [H312]

>= 1.0 < 2.5%

EU Specific Identifiers:

EC CAS : 0000118-71-8

4h-Pyran-4-One, 3-Hydroxy-2-Methyl-

N° EINECS: 204-271-8

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

>= 0.5 < 1.0%

EU Specific Identifiers:

EC CAS : 0000103-26-4

2-Propenoic Acid, 3-Phenyl-, Methyl Ester

N° EINECS: 203-093-8

Skin Sensitization - Cat. 1B [H317]

>= 0.1 < 0.5%

EU Specific Identifiers:

EC CAS : 0000123-92-2

Isopentyl Acetate

N° EINECS: 204-662-3

N° Index : 607-130-00-2

Flammable Liquid - Cat. 3 [H226]

## **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.

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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.

#### 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**

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### 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

0000064-19-7 : ACETIC ACID

EU Exposure Limit Values Data

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 20 ppm

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 50 mg/m<sup>3</sup>

Occupational Exposure Limit data. Time Weighted Average (TWA): 10 ppm

Occupational Exposure Limit data. Time Weighted Average (TWA): 25 mg/m<sup>3</sup>

0000064-19-7 : ACETIC ACID

EU SCOEL Exposure Limit Data

EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 20 ppm

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 50 mg/m<sup>3</sup>

Occupational Exposure Limit data. Time Weighted Average (TWA): 10 ppm

Occupational Exposure Limit data. Time Weighted Average (TWA): 25 mg/m<sup>3</sup>

0000064-19-7 : eddikesyre

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## 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.

Denmark List of Organic Solvents Data  
Denmark. Danish List of Organic Solvents, Danish Labor Inspectorate  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 10 ppm

0000064-19-7 : eddikesyre  
Denmark GV Data  
Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, An. 2 & 3  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 10 ppm  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 25 mg/m<sup>3</sup>

0000123-92-2 : AMYLACETAT, ALLE ISOMERE  
Denmark List of Organic Solvents Data  
Denmark. Danish List of Organic Solvents, Danish Labor Inspectorate  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 50 ppm

0000123-92-2 : AMYLACETAT, ALLE ISOMERE  
Denmark GV Data  
Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, An. 2 & 3  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 271 mg/m<sup>3</sup>  
Occupational Exposure Limit data. Threshold Limit Values (TLV): 50 ppm

0000123-92-2 : Isopentylacetate  
EU Exposure Limit Values Data  
EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU  
Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 100 ppm  
Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 540 mg/m<sup>3</sup>  
Occupational Exposure Limit data. Time Weighted Average (TWA): 270 mg/m<sup>3</sup>  
Occupational Exposure Limit data. Time Weighted Average (TWA): 50 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

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

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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 :	OILY AND LIMPID LIQUID
Colour :	PALE YELLOW TO PALE RED
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) :	= 58°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) :	1.017 - 1.037
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

### **10 STABILITY AND REACTIVITY**

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### 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

Eye Damage - Cat.1

(d) respiratory or skin sensitisation

Not applicable

(e) germ cell mutagenicity

Not applicable

(f) carcinogenicity

Not applicable



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(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 not met.

12.1 Toxicity  
Not applicable

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.

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

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### 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:	1197
14.2 Proper Shipping Name:	Extracts, flavouring, liquid
14.3 Class:	3
14.4 Packing Group:	III
14.5 Environmental hazards:	No

#### Land transport (ADR/RID)

14.1 UN-No:	1197
14.2 Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
14.3 Class:	3
14.4 Packing Group:	III
14.5 Environmental hazards:	No
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:	1197
14.2 Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
14.3 Class:	3
14.4 Packing Group:	III
14.5 Environmental hazards:	No
Marine pollutant:	No
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)

14.1 UN-No:	1197
14.2 Proper Shipping Name:	Extracts, flavouring, liquid
14.3 Class:	3
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

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### 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).

### 15.2 Chemical Safety Assessment

No data available at this time

## **16 OTHER INFORMATION**

### Revisions

Jun-2019 : Version 9.0 - 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

H318	Causes serious eye damage.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264	Wash thoroughly after handling.
P240	Ground/bond container and receiving equipment.
P241	Use rated explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P370+P378	In case of fire: Use appropriate fire extinguishers for fire control.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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P362	Take off contaminated clothing and wash before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P235	Keep cool.

### Full text of phrases used under section 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

**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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