

# Firmenich

## GHS Safety Data Sheet - US

According to Regulation HCS 2012

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

**560386 A**  
NAT FL (GRAPE TYPE)  
© 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

**Mr. Thomas Sulich**  
Firmenich Inc.  
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#### 1.4 Emergency telephone number

FOR INFORMATION OR IN AN EMERGENCY CALL NCEC @ +1 215 207 0061.

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### According to Regulation HCS 2012

Flammable Liquid - Cat. 3  
Eye Irritation - Cat. 2A

H226  
H319

#### 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:

H226 Flammable liquid and vapour.  
H319 Causes serious eye 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.

#### 2.3 Other hazards

No data available at this time.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 3.2 Mixture

Mixture of aromatic substances.

#### Contains :

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>= 50.0 < 60.0%  
Ethanol  
N° CAS : 0000064-17-5  
N° EINECS: 200-578-6

GHS Classification:  
Eye Irritation - Cat.2A [H319]  
Flammable Liquid - Cat. 2 [H225]

>=2.5 < 5.0%  
Benzoic Acid, 2-Amino-, Methyl Ester  
N° CAS : 0000134-20-3  
N° EINECS: 205-132-4

GHS Classification:  
Eye Irritation - Cat.2A [H319]

0 < 0.1%  
2-Buten-1-One, 1-(2,6,6-Trimethyl-1,3-Cyclohexadien-1-yl)-  
N° CAS : 0023696-85-7  
N° EINECS: 245-844-2  
N° REACH: 01-2120105798-49

GHS Classification:  
Skin Sensitization - Cat. 1A [H317]  
Skin Irritation - Cat. 2 [H315]  
Environmental Hazard (chronic) - Cat. 2 [H411]

#### 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:  
In the event of contact with the eyes, irrigate with water for at least 15 minutes; obtain medical advice if irritation persists.

In case of inhalation:  
In the event of exposure to vapors, immediately remove from the area to a fresh air environment. Individuals showing evidence of inhalation exposure should be taken to an uncontaminated area. 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:  
In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.  
Do not induce vomiting, obtain medical advice immediately.

##### 4.2 Most important symptoms and effects, both acute and delayed

No information available on the product itself.

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##### 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.  
Cool fire exposed containers with water spray.  
Extinguishing media: Foam, carbon dioxide or dry chemical.

5.2 Special hazard arising from the substance or mixture  
Closed containers may build up pressure if exposed to heat (fire). Vapors form explosive mixtures with air and may travel to a source of ignition and flash back.

##### 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:

Eliminate all sources of ignition. Leaking containers should be removed to a well ventilated area if possible to do safely. If not, dike around container to limit spread of spill, leak. If spill/leak is small, clean up with standard absorbents (sand, vermiculite, etc.). Wear rubber gloves. Avoid contact with skin. If skin contact occurs, wash liberally with soap and water. See Section VI above. If large leak/spill, call HAZMAT Team.  
Vapors may cause vomiting and nausea. Wear appropriate respiratory protection.

For cleaning-up:  
Spillages should be disposed of in accordance with Governmental Regulations.

#### 7 HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

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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

0000064-17-5 : ETHANOL

US ACGIH Threshold Limit Values Data

US ACGIH Threshold Limit Values

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 1000 ppm

0000064-17-5 : ETHYL ALCOHOL

US NIOSH Pocket Guide to Chemical Hazards Data

US NIOSH Pocket Guide to Chemical Hazards

Occupational Exposure Limit data. Recommended exposure limit (REL): 1000 ppm

Occupational Exposure Limit data. Recommended exposure limit (REL): 1900 mg/m<sup>3</sup>

0000064-17-5 : ETHYL ALCOHOL

US OSHA Table Z-1 Data

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Occupational Exposure Limit data. Permissible exposure limit: 1000 ppm

Occupational Exposure Limit data. Permissible exposure limit: 1900 mg/m<sup>3</sup>

0000064-17-5 : ETHYL ALCOHOL

US OSHA Table Z-1-A Data

US OSHA Table Z-1-A (29 CFR 1910.1000)

Occupational Exposure Limit data. Time Weighted Average (TWA): 1000 ppm

Occupational Exposure Limit data. Time Weighted Average (TWA): 1900 mg/m<sup>3</sup>

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### 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: Breathing of the vapors or dust particles may be hazardous. In the absence of appropriate engineering controls such as spot ventilation, ventilated enclosures, etc., workers should avoid themselves of the appropriate NIOSH approved respiratory protection.

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 :

Colour :

Odour :

CLEAR TO SLIGHTLY CLOUDY LIQUID  
COLOURLESS TO VERY PALE YELLOW  
Characteristic strong odour according to the  
commercial description of the substance.

pH :

Melting point/range (°C) :

Initial boiling point/range (°C) :

Flash point (closed cup) :

Evaporation rate :

Flammability (solid/gas) :

Upper/lower flammability or explosive limits :

Vapor pressure (At 20°C in mm Hg) :

Calculated vapor pressure (At 20°C in mm Hg) :

Vapour density :

Relative density (d 20/20) :

Water solubility (20°C) :

Partition coef. (n-octanol/water) :

Auto-ignition temperature (°C) :

Decomposition temperature :

Viscosity :

Explosive properties :

Oxidizing properties :

### 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

Presents no significant reactivity hazard. Normally stable even at elevated temperatures and pressures. Avoid temperatures above or near to the flash point. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and is not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo hazardous exothermic polymerization.

##### 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

Avoid strong oxidizing agents.

##### 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  
Not applicable

(c) serious eye damage/irritation  
Eye irritation - Cat.2A

(d) respiratory or skin sensitisation  
Not applicable

Reference : US 16091074

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Date of printing : 06-AUG-2018  
Product : 560386 A - NAT FL (GRAPE TYPE)

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(e) germ cell mutagenicity  
Not applicable

(f) carcinogenicity  
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 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: 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.

Reference : US 16091074

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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

UN-No: 1197  
Proper Shipping Name: Extracts, flavouring, liquid  
Class: 3  
Packing Group: III

##### Land transport (ADR/RID)

UN-No: 1197  
Proper Shipping Name: EXTRACTS, FLAVOURING, LIQUID  
Class: 3  
Packing group: III

##### Sea transport (IMDG-Code)

UN-No: 1197  
Proper Shipping Name: EXTRACTS, FLAVOURING, LIQUID  
Class: 3  
Packing group: III

##### Air transport (ICAO-IATA)

UN-No: 1197  
Proper Shipping Name: Extracts, flavouring, liquid  
Class: 3  
Packing group: III

#### 15 REGULATORY INFORMATION

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

This mixture contains no toxic chemical or chemicals subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 29 CFR Part 1910.1200.

##### 15.2 Chemical Safety Assessment

No data available at this time.

#### 16 OTHER INFORMATION

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##### Revisions

Jun-2018 : Version 8.0 - Updates to sections 2, 8, 9, 11, 12

##### Key literature references

RIFM database  
OECD SIDS  
EU IUCLID  
Supplier information

##### Full text of phrases used under section 2

H226 Flammable liquid and vapour.  
H319 Causes serious eye 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.  
P303+P361+P353 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370+P378 If eye irritation persists: Get medical advice/attention.  
P403+P233 In case of fire: Use appropriate fire extinguishers for the control.  
P235 Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.

##### Full text of phrases used under section 3

H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

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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