

# 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

**974635**  
PEPPER WHITE SFE  
© Firmenich product

CAS No: 8006-82-4  
EC No: 284-524-7

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

Ingredient for use in products that may be ingested and/or fragrance ingredient for use in consumer product.  
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

**John Carey**  
Firmenich Inc.  
P.O. Box 5880  
Princeton - New Jersey 08543 - USA  
john.carey@firmenich.com  
Tel.: +1.609.452.1000

#### 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. 4	H227
Acute Toxicity (oral) - Cat. 4	H302
Aspiration Hazard - Cat. 1	H304
Skin Irritation - Cat. 2	H315
Skin Sensitization - Cat. 1B	H317
Environmental Hazard (chronic) - Cat. 2	H411

#### Additional information

Full text of listed statements : See section 16

#### 2.2 Label elements

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### Hazard pictograms:



### Signal Word:

Danger

### Hazard Statements:

H304 May be fatal if swallowed and enters airways.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H227 Combustible liquid  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P261 Avoid breathing mist/vapours.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### 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.

### 3.1 Substance

Natural product.

#### Contains :

$\geq 7.5 < 10.0\%$

Limonene

N° CAS : 0000138-86-3

N° EINECS: 205-341-0

#### GHS Classification:

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. 1 [H410]

Flammable Liquid - Cat. 3 [H226]

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>= 5.0 < 7.5%

Piperidine, 1-[5-(1,3-Benzodioxol-5-Yl)-1-Oxo-2,4-Pentadienyl]-, (E,E)-  
N° CAS : 0000094-62-2  
N° EINECS: 202-348-0

Acute Toxicity (oral) - Cat. 3 [H301]

>= 1.0 < 2.5%

Bicyclo[3.1.1]Heptane, 6,6-Dimethyl-2-Methylene-  
N° CAS : 0000127-91-3  
N° EINECS: 204-872-5

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. 1 [H410]  
Flammable Liquid - Cat. 3 [H226]

>= 1.0 < 2.5%

Ethanol  
N° CAS : 0000064-17-5  
N° EINECS: 200-578-6

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

>= 1.0 < 2.5%

1,6-Octadien-3-Ol, 3,7-Dimethyl-  
N° CAS : 0000078-70-6  
N° EINECS: 201-134-4

Skin Sensitization - Cat. 1B [H317]  
Skin Irritation - Cat. 2 [H315]  
Eye Irritation - Cat.2A [H319]  
Flammable Liquid - Cat. 4 [H227]

>= 0.1 < 0.5%

Bicyclo[3.1.1]Hept-2-Ene, 2,6,6-Trimethyl-  
N° CAS : 0000080-56-8  
N° EINECS: 201-291-9

Aspiration Hazard - Cat. 1 [H304]  
Skin Sensitization - Cat. 1B [H317]  
Acute Toxicity (oral) - Cat. 4 [H302]  
Skin Irritation - Cat. 2 [H315]  
Environmental Hazard (acute) - Cat. 1 [H400]  
Environmental Hazard (chronic) - Cat. 1 [H410]  
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:

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.

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:

In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water.

Obtain medical advise immediately.

Do not induce vomiting, obtain medical advise 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.

Use standard procedures and preferred extinguishing media as stated below.

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).

#### 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:

Small spills can be wiped up with a cloth or paper. Standard absorbents can be used (saw dust, sand, vermiculite). Wear rubber gloves. Avoid contact with skin. If skin contact occurs, wash liberally with soap and water.

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Vapors may cause vomiting and nausea. In case of insufficient ventilation, 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

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/m3

0000064-17-5 : ETHYL ALCOHOL

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### 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>

### 0000080-56-8 : TURPENTINE AND SELECTED MONOTERPENES

US ACGIH Threshold Limit Values Data  
US. ACGIH Threshold Limit Values  
Occupational Exposure Limit data. Time Weighted Average (TWA): 20 ppm

### 0000127-91-3 : TURPENTINE AND SELECTED MONOTERPENES

US ACGIH Threshold Limit Values Data  
US. ACGIH Threshold Limit Values  
Occupational Exposure Limit data. Time Weighted Average (TWA): 20 ppm

### 0000138-86-3 : D-LIMONENE

US WEEL Guides Data  
US. OARS. WEELs Workplace Environmental Exposure Level Guide  
Occupational Exposure Limit data. Time Weighted Average (TWA): 165.5 mg/m<sup>3</sup>  
Occupational Exposure Limit data. Time Weighted Average (TWA): 30 ppm

### 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 avail themselves of the appropriate NIOSH approved respiratory protection.  
Hand protection: Adequate and Impervious 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

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Appearance :	LIQUID
Colour :	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) :	= 153 Fahrenheit (= 67 Centigrade)
Evaporation rate :	Not available
Flammability (solid/gas) :	Not applicable
Upper/lower flammability or explosive limits :	N/A
Vapor pressure (At 20°C in mm Hg) :	1.0
Calculated vapor pressure (At 20°C in mm Hg):	
Vapour density :	Not available
Relative density (d 20/20) :	0.946 - 1.001
Water solubility (20°C) :	Not available
Partition coef. (n-octanol/water) :	Not available
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**

### 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.

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### 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 summary of toxicological data is available on request from D. Grell, Firmenich SA, Case Postale 239, 1211 Geneva 8, Switzerland.

(a) acute toxicity

No data available

(b) skin corrosion/irritation

No data available

(c) serious eye damage/irritation

No data available

(d) respiratory or skin sensitisation

No data available

(e) germ cell mutagenicity

No data available

(f) carcinogenicity

No data available

(g) reproductive toxicity

No data available

(h) STOT-single exposure

No data available

(i) STOT-repeated exposure

No data available

(j) aspiration hazard

No data available

## **12 ECOLOGICAL INFORMATION**

This product has not been subjected to full ecotoxicological testing.



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### 12.1 Toxicity

No data available

### 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.

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:	3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (LIMONENE)
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. (LIMONENE)
Class:	9
Packing group:	III

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### Sea transport (IMDG-Code)

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

### Air transport (ICAO-IATA)

UN-No: 3082  
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (LIMONENE)  
Class: 9  
Packing group: III

## **15 REGULATORY INFORMATION**

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

This chemical is NOT 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**

### 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

H227	Combustible liquid
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P270	Do not eat, drink or smoke when using this product.
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.
P370+P378	In case of fire: Use appropriate fire extinguishers for fire control.
P391	Collect spillage.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

### Full text of phrases used under section 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic 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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