

# 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

**184031**

IRIS ABS SYNTH 184031

© Firmenich product

#### 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

**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

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:**

# Firmenich

## GHS Safety Data Sheet - US

According to Regulation HCS 2012

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**Signal Word:**

Warning

**Hazard Statements:**

H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P261 Avoid breathing mist/vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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.

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 :

>= 60.0 < 70.0%  
3-Buten-2-One, 4-(2,5,6,6-Tetramethyl-2-Cyclohexen-1-Yl)-  
N° CAS : 0000079-69-6  
N° EINECS: 201-219-6

GHS Classification:

Environmental Hazard (chronic) - Cat. 2 [H411]

# Firmenich

## GHS Safety Data Sheet - US

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$\geq 2.5 < 5.0\%$   
3-Buten-2-One, 3-Methyl-4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-  
N° CAS : 0000127-51-5  
N° EINECS: 204-846-3

Skin Sensitization - Cat. 1B [H317]  
Skin Irritation - Cat. 2 [H315]  
Eye Irritation - Cat.2B [H320]  
Environmental Hazard (chronic) - Cat. 2 [H411]

$\geq 2.5 < 5.0\%$   
1-Penten-3-One, 1-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-, [R-(E)]-  
N° CAS : 0000127-42-4  
N° EINECS: 204-842-1

Skin Irritation - Cat. 2 [H315]  
Eye Irritation - Cat.2B [H320]  
Environmental Hazard (chronic) - Cat. 2 [H411]

$\geq 0.1 < 0.5\%$   
1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-  
N° CAS : 0007212-44-4  
N° EINECS: 230-597-5

Skin Sensitization - Cat. 1B [H317]  
Eye Irritation - Cat.2B [H320]  
Environmental Hazard (acute) - Cat. 1 [H400]  
Environmental Hazard (chronic) - Cat. 1 [H410]

$\geq 0.1 < 0.5\%$   
2-Tridecanone  
N° CAS : 0000593-08-8  
N° EINECS: 209-784-0

Environmental Hazard (acute) - Cat. 1 [H400]  
Environmental Hazard (chronic) - Cat. 1 [H410]

$\geq 0.1 < 0.5\%$   
1-Penten-3-One, 1-(2,6,6-Trimethyl-1-Cyclohexen-1-Yl)-  
N° CAS : 0000127-43-5  
N° EINECS: 264-140-6  
N° REACH: 01-2120088022-64

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

$\geq 0.1 < 0.5\%$   
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]

$\geq 0.1 < 0.5\%$   
9-Undecenal, 2,6,10-Trimethyl-  
N° CAS : 0000141-13-9  
N° EINECS: 205-460-8

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

# Firmenich

## GHS Safety Data Sheet - US

According to Regulation HCS 2012

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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

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.

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 advise immediately.

Do not induce vomiting, obtain medical advise 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.

Use standard procedures and preferred extinguishing media as stated below.

Extinguishing media: Foam, carbon dioxide or dry chemical.

#### 5.2 Special hazard arising from the substance or mixture

None.

#### 5.3 Advice for fire-fighters

No specific advice.

# Firmenich

## GHS Safety Data Sheet - US

According to Regulation HCS 2012

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### **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.

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.

# Firmenich

## GHS Safety Data Sheet - US

According to Regulation HCS 2012

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### **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 Control parameters

Not applicable

#### 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: None required; avoid breathing vapors.

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

Appearance :	LIQUID
Colour :	PALE YELLOW TO PALE GREEN
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) :	> 212 Fahrenheit (> 100 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) :	
Calculated vapor pressure (At 20°C in mm Hg):	< 0.1 mm
Vapour density :	Not available
Relative density (d 20/20) :	0.918 - 0.928
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

# Firmenich

## GHS Safety Data Sheet - US

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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.

### 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

Not applicable

# Firmenich

## GHS Safety Data Sheet - US

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(d) respiratory or skin sensitisation  
Skin Sensitization - Cat. 1

(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 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**



# Firmenich

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### **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:	Not regulated
Proper Shipping Name:	N/A
Class:	----
Packing Group:	---
	Hazardous to the Environment

#### Land transport (ADR/RID)

UN-No:	Not regulated
Proper Shipping Name:	N/A
Class:	----
Packing group:	---

#### Sea transport (IMDG-Code)

UN-No:	Not regulated
Proper Shipping Name:	N/A
Class:	----
Packing group:	---
	Marine pollutant

#### Air transport (ICAO-IATA)

UN-No:	Not regulated
Proper Shipping Name:	N/A
Class:	----
Packing group:	---

### **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.

# Firmenich

## GHS Safety Data Sheet - US

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### 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

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.
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.
P363	Wash contaminated clothing before reuse.

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

H227	Combustible liquid
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H320	Causes eye irritation.
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.

**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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