

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

948820
HYRACEUM ABS
© Firmenich product

CAS No: 1005328-84-6
EC No: 308-304-8

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

Reproductive Toxicity - Cat. 2	H361
Specific Target Organ Toxicity - Repeated Exposure - Cat. 1	H372

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:

H372 Causes damage to organs sensory organs through prolonged or repeated exposure if inhaled.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements:

P201 Obtain special instructions before use.
P264 Wash thoroughly after handling.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P405 Store locked up.

2.3 Other hazards

CAUTION: THIS MATERIAL CONTAINS VOLATILE FRAGRANCE CHEMICALS IDENTIFIED AS HAVING HIGH VAPOR PRESSURE AND/OR AN ESTABLISHED TLV/TWA/STEL FOR INHALATION EXPOSURE.

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.

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Contains :

>= 1.0 < 2.5%
Benzene, Ethenyl-
N° CAS : 0000100-42-5
N° EINECS: 202-851-5

GHS Classification:

Reproductive Toxicity - Cat. 2 [H361]
Specific Target Organ Toxicity - Repeated Exposure - Cat. 1 [H372]
Aspiration Hazard - Cat. 1 [H304]
Acute Toxicity (inhalation) - Cat. 4 [H332]
Specific Target Organ Toxicity - Single Exposure - Cat. 3 Respiratory Irritation [H335]
Skin Irritation - Cat. 2 [H315]
Eye Irritation - Cat.2A [H319]
Environmental Hazard (chronic) - Cat. 3 [H412]
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.
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.

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5.2 Special hazard arising from the substance or mixture

None.

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.

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

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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

0000100-42-5 : STYRENE

US NIOSH Pocket Guide to Chemical Hazards Data

US. NIOSH: Pocket Guide to Chemical Hazards

Occupational Exposure Limit data. Recommended exposure limit (REL): 215 mg/m³

Occupational Exposure Limit data. Recommended exposure limit (REL): 50 ppm

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 100 ppm

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 425 mg/m³

0000100-42-5 : STYRENE

US OSHA Table Z-2 Data

US. OSHA Table Z-2 (29 CFR 1910.1000)

Occupational Exposure Limit data. Ceiling Limit Value: 200 ppm

Occupational Exposure Limit data. Maximum concentration: 600 ppm

Occupational Exposure Limit data. Time Weighted Average (TWA): 100 ppm

0000100-42-5 : STYRENE

US OSHA Table Z-1-A Data

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

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 100 ppm

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 425 mg/m³

Occupational Exposure Limit data. Time Weighted Average (TWA): 215 mg/m³

Occupational Exposure Limit data. Time Weighted Average (TWA): 50 ppm

0000100-42-5 : STYRENE, MONOMER

US ACGIH Threshold Limit Values Data

US. ACGIH Threshold Limit Values

Occupational Exposure Limit data. Short Term Exposure Limit (STEL): 40 ppm

Occupational Exposure Limit data. Time Weighted Average (TWA): 20 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

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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 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 :	VERY VISCOUS PASTY LIQUID
Colour :	DARK 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) :	> 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) :	< 0.1 mm
Calculated vapor pressure (At 20°C in mm Hg):	
Vapour density :	Not available
Relative density (d 20/20) :	Not available
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

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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

(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
Combined Repeat. Dose Tox. & Reprod./Develop. Tox. Screening (Rat, OECD 422, Gavage, 28 day(s)): NOAEL = 225 mg/kg/day

(h) STOT-single exposure

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No data available

(i) STOT-repeated exposure

Repeated Dose Oral Toxicity Study (Rat, Oral subchronic test, Dietary, 17 weeks): NOEL = 518 mg/kg/day

(j) aspiration hazard

No data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Alga, Growth Inhibition Test (Pseudokirchneriella subcapitata, OECD 201, Static):

72 h ErC50 = 86.4 mg/l (Based on average measured concentrations)

72 h NOEC = 24.8 mg/l (Based on average measured concentrations)

Fish, Acute Toxicity Test (Pimephales promelas, Flow-through): 96h LC50 = 162 mg/l (Based on average measured concentrations. Published study

)

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.

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UNO

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

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: ---

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 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

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Supplier information

Full text of phrases used under section 2

H361	Suspected of damaging fertility or the unborn child /\$#GHS_ROE#\$/.
H372	Causes damage to organs /\$#GHS_ORGANS#\$/ through prolonged or repeated exposure /\$#GHS_ROE#\$/.
P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P202	Do not handle until all safety precautions have been read and understood.
P270	Do not eat, drink or smoke when using this product.
P281	Use personal protective equipment as required.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P405	Store locked up.

Full text of phrases used under section 3

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
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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