

Lemon - HYLA

SAFETY DATA SHEET

Date of Issue: NOVEMBER, 2016, Supersedes: None Version 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Liquid
Trade name : Lemon - HYLA
Internal code: : //

1.2. Recommended use of the chemical and restrictions on use

Composed for fragrance.

1.3. Name, address and telephone number of the chemical manufacturer, importer, or other responsible party

HYLA INTERNATIONAL GmbH & Co.KG Hornbergstr. 49, 70794 Filderstadt GERMANY

www.hyla.com

HYLA GERMANY GmbH Taubenackerweg 32 - 72655 Altdorf

1.4. Emergency phone number

Emergency number : +386 1580700
Emergency number : +49 700 24112112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US/CAN)

Criteria EC Regulation 1272/2008 (CLP):

Attention, Flam. Liq. 3, liquid and vapor.

Warning, Skin Irrit. 2 Causes skin irritation.

Attention, Eye Irrit. 2 Causes serious eye irritation.

Warning, Skin Sens. 1 May cause an allergic skin reaction.

Attention, Aquatic Acute 1: Very toxic to aquatic organisms.

Attention, Aquatic Chronic 1, Very toxic to aquatic life with effects long duration.

2.2. Label elements

GHS-US/CAN labeling



Danger

Indications of Danger:

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary advice:

P210 Keep away from heat / sparks / open flames / hot surfaces. - Do not smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P301 + P310 IF SWALLOWED: Immediately call a CENTER POISON or physician.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use ... for extinction

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2.3. Other hazards

none

2.4. Unknown acute toxicity (GHS-US)

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier |
|------------------------|--|
| D-Limonene | Index n°: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 REACH No.: 01-2119529223-47-xxxx 2.6/3 Flam. Liq. 3 H226 3.10/1 Asp. Tox. 1 H304 3.2/2 Skin Irrit. 2 H315 3.4.2/1 Skin Sens. 1 H317 4.1/A1 Aquatic Acute 1 H400 4.1/C1 Aquatic Chronic 1 H410 |
| CITRAL | Numero Index: 605-019-00-3, CAS: 5392-40-5, EC: 226-394-6 Xi; R38-43 3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317 |
| LINALOLO | CAS: 78-70-6 EC: 201-134-4 REACH No.: 01-2119474016 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 |
| ALFA PINENE | CAS: 80-56-8, EC: 201-291-9 Xn,Xi; R10-38-43-65 2.6/3 Flam. Liq. 3 H226 3.10/1 Asp. Tox. 1 H304 3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317 |
| GAMMA TERPINENE | CAS: 99-85-4, EC: 202-794-6 Xi; R10-36/37/38 2.6/3 Flam. Liq. 3 H226 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 |
| BETA MYRCENE | CAS: 123-35-3, EC: 204-622-5 Xn,Xi; R10-38-65 2.6/3 Flam. Liq. 3 H226 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 |

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | |
| First-aid measures after inhalation | Remove the affected person to fresh air and keep warm and at rest |
| First-aid measures after skin contact | In case of skin contact: |

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| | |
|--------------------------------------|--|
| | Immediately take off contaminated clothing. Rinse immediately with plenty of running water and possibly with soap areas of the body that have come into contact with the product, only even suspected. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose of safely. After contact with skin, wash immediately with plenty of soap and water. |
| First-aid measures after eye contact | In case of contact with eyes, rinse immediately with water and call a doctor Then consult an ophthalmologist immediately. Protect unharmed eye. |
| First-aid measures after ingestion | Do not induce vomiting. SEEK MEDICAL ATTENTION IMMEDIATELY |

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

General symptoms/injuries : No one Known
Symptoms/injuries after inhalation : No one Known
Symptoms/injuries after skin contact : No one Known
Symptoms/injuries after eye contact : No one Known
Symptoms/injuries after ingestion : No one Known

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or discomfort, seek medical advice immediately (if possible show the instructions for use or safety data sheet).

Treatment: none

SECTION 5: Fire-fighting measures

5.1. Extinguishing

Extinguishing Media:

In case of fire, use .. (fighting equipment to be specified by the manufacturer. If water increases the risk add 'Never use water')

Extinguishing media which must not be used for safety reasons:

No one in particular.

5.2. Special hazards arising from the substance or mixture Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

separately collect contaminated water used to extinguish the fire. Not discharged into drains.

If it can be done safety profile, move the containers from immediate hazard not damaged.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear personal protective equipment.
Move people to a safe place.
See protective measures under point 7 and 8

6.1.1. For non-emergency personnel : Not applicable

6.1.2. For emergency responders : Not applicable

6.2. Environmental precautions

Allow to enter into soil / subsoil. Prevent spills into surface water or sanitary sewer system.

Retain contaminated washing water and discard.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

For containment

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Methods for cleaning up : Wash with plenty of water

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes, inhalation of vapors and mists.
Do not use empty container before they have been cleaned.
Before making transfer operations, assure that there are no residues in the containers incompatible materials.
Contaminated clothing should be changed before entering eating areas.
At work do not eat or drink.
See also section 8 for recommended protective equipment

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Conditions for safe storage, including any incompatibilities
Avoid exposure to sunlight
Keep in a cool, dry place
Always keep in a well ventilated place.
Store at temperatures below 20 ° C. Keep away from open flames and heat sources. Avoid direct exposure to the sun.
Keep away from open flames, sparks and heat sources. Avoid direct exposure to the sun.
Keep away from food, drink and feed.
Incompatible materials: None in particular. See also paragraph 10 below.
Technical measures: Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ALFA PINENE - CAS: 80-56-8
TLV TWA - 20 ppm, A4 - 111,25 mg/m³, A4 SEN
TLV STEL - A4 SEN

8.2. Exposure controls

Hand protection : Use protective gloves that provide comprehensive protection, eg. PVC, neoprene or rubber.
Eye protection : Glasses with side protection.
Skin and body protection : Wear clothing that provide comprehensive protection to the skin, eg. cotton, rubber, PVC or viton.
Respiratory protection : Not needed for normal use
Other information : Not any

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid limpid
Appearance : transparent
Colour :
Odor : Characteristic.
Odor threshold : .
pH :
Relative evaporation rate (butylacetate=1) : .
Melting point :
Freezing point :
Boiling point : .
Flash point :
Self-ignition temperature :
Decomposition temperature :

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| | | |
|---------------------------------|---|-------------------|
| Flammability (solid, gas) | : | |
| Vapor pressure | : | |
| Relative vapor density at 20 °C | : | |
| Relative density | : | |
| Solubility | : | soluble in water- |
| Log Pow | : | . |
| Log Kow | : | |
| Viscosity, kinematic | : | |
| Viscosity, dynamic | : | . |
| Explosive properties | : | |
| Oxidizing properties | : | |
| Explosive limits | : | |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

None in particular.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1. Information on toxicological effects.

Toxicological information of the mixture:

citrus medica limon oil - CAS: 8008-56-8

a) Acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 2840 mg / kg

Toxicological information of the main substances in the mixture:

ALFA PINENE - CAS: 80-56-8

a) Acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 3700 mg / kg

Test: LD50 - Via: Leather - Species: Rabbit > 5000 mg / kg

RANGE TERPINEN - CAS: 99-85-4

a) Acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 3650 mg / kg

BETA myrcene - CAS: 123-35-3

a) Acute toxicity:

Test: LD50 - Via: Oral - Species: Rat > 5000 mg / kg

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Citral - CAS: 5392-40-5
LD50 (RAT) ORAL: 4960 MG / KG

SECTION 12: Ecological information

12.1. Toxicity

Toxicity

Adopt good working practices, avoiding release of the product environment.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ALFA PINENE - CAS: 80-56-8

a) acute aquatic toxicity:

Endpoint: LC50 - Species: Fish = 0:28 mg / l - h Duration: 96

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations. : Recover if possible. Send to authorized disposal plants or for incineration under controlled conditions. Operate according to local and national regulations.

SECTION 14: Transport information

In accordance with DOT/ TDG/ IMDG/ ICAO/ IATA

14.1 UN Number: Not determined

14.2 UN Proper shipping name: Not determined

Additional information

Other information :

SECTION 15: Regulatory information

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 790/2009 (ATP 1 CLP) and (EU) No. 758/2013

Regulation (EU) 2015/830

Regulation (EU) No. 286/2011 (ATP 2 CLP)

Regulation (EU) No. 618/2012 (ATP 3 CLP)

Regulation (EU) No. 487/2013 (ATP 4 CLP)

Regulation (EU) No. 944/2013 (ATP 5 CLP)

Regulation (EU) No. 605/2014 (ATP 6 CLP)

Restrictions relating to the product or contained substances pursuant to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent adjustments None

15.1. US Regulations

FEDERAL REGULATIONS:

TSCA (Toxic Substances Control Act): N.A.

CERCLA/SARA – Hazardous Substances and their Reportable Quantities: N.A

302 Extremely Hazardous Substances (EPCRA RQs): N.A.

302 Extremely Hazardous Substances (TPQs): N.A.

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CERCLA/SARA - 313 Emission Reporting: N.A

302 Extremely Hazardous Substances (EPCRA RQs): N.A

STATE REGULATIONS:

California Proposition 65: N.A

15.2. International regulations

Domestic Substances List (DSL): N.A

EU-Regulations

See section 15.

SECTION 16: Other information

References

: Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold
Negotiable - Annex 1
National Institute of Health - National Chemicals Inventory
The information contained herein is based on our knowledge as of the date indicated. They
refer solely to the product indicated and constitutes no guarantee of particular quality

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Other information

: Full List of Acronyms used in SDS:

This information is based on our knowledge of the product. This sheet provides a provide information for the assessment of health and safety, for the handling, storage and the use. For this evaluation of harmlessness the compiler does not accept any liability arising use or misuse of this product. The use of this information and the conditions of use of the product are under the user's control or supervision.

The user must verify the suitability and completeness of such information in relation to the specific use intended.

This sheet supersedes any previous edition.

ADR: European Agreement concerning the international transport of goods dangerous by road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived no effect level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labelling of chemical products.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "Association for the transport International air "(IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Organization for aviation Civil "(ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LTE: long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Carriage of Dangerous Goods by rail.

STE: Short term exposure.

STEL: Short Term Exposure Limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limit Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour per day. (ACGIH Standard).

WGK: German Class of danger to water.

Date of Preparation: May 19, 2016

SDS US and Canada (Hazcom 2012 and WHMIS 2015)

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The user is responsible for determining if this product is fit for the purpose the user intends. The user must exercise his judgment in determining if the information provided herein is appropriate for the particular use of this product. The information in this SDS does not exempt the user from knowing or complying with any applicable regulations or laws applying to their activity/activities. The user takes full responsibility for knowing and taking necessary precautions related to the use or handling of the substance.