

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL LINALOOL EX BOIS DE ROSE

Revision date: 12/20/2022

Product code: 263510US

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1. Identification**Product identifier**

NATURAL LINALOOL EX BOIS DE ROSE

CAS No: 8015-77-8

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Manufacturing of: - Air care products - Perfumes, fragrances - Pharmaceuticals - Cosmetics, personal care products - Flavouring Substances - Other

Details of the supplier of the safety data sheet

Company name:	Axxence Aromatic GmbH	
Street:	Tackenweide 28	
Place:	D-46446 Emmerich am Rhein	
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Responsible Department:	QM - Regulatory Affairs	

Emergency phone number: +49 2822 68561 99**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 4
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

Combustible liquid
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 Store in a well-ventilated place.
 Dispose of contents/container to Organic waste.

Special labelling of certain mixtures

1 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures

Hazardous components

CAS No	Components	Quantity
78-70-6	NATURAL LINALOOL EX BOIS DE ROSE	90 - 95 %
98-55-5	NATURAL ALPHA-TERPINEOL	0 - 2 %
106-24-1	NATURAL GERANIOL	0 - 1 %
586-62-9	NATURAL alpha-TERPINOLEN	0 - 1 %
123-35-3	NATURAL MYRCENE	0 - 1 %
13877-91-3	NATURAL LINALOOL OXIDE	0 - 1 %
1365-19-1	NATURAL LINALOOL OXIDE	0 - 1 %
562-74-3	NATURAL 4-TERPINENOL	0 - 1 %

4. First-aid measures

Description of first aid measures

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water spray jet,

Specific hazards arising from the chemical

Non-flammable. Vapors may form explosive mixtures with air.

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Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

8. Exposure controls/personal protection

Control parameters

Exposure controls

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Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid	
Color:	Colourless to pale yellow	
Melting point/freezing point:		N/A
Boiling point or initial boiling point and boiling range:		> 197 °C
Flammability		
Solid/liquid:		not applicable
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		>77 °C
Auto-ignition temperature:		260 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Water solubility: (at 25 °C)		1,56 g/L
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:		2,9
Vapor pressure: (at 20 °C)		0,1 hPa
Vapor pressure: (at 50 °C)		2 hPa
Density (at 20 °C):		0,86 g/cm ³
Relative vapour density: (at 20 °C)		5,31

Other information

Information with regard to physical hazard classes

Explosive properties

not hazard of explosion according to EU A.14

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Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:	not determined
Solvent content:	0%
Solid content:	0%
Viscosity / dynamic: (at 20 °C)	5,55 mPa·s

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

none/none

Incompatible materials

No information available.

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 2885,0 mg/kg; ATE (dermal) 111111,1 mg/kg

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
78-70-6	NATURAL LINALOOL EX BOIS DE ROSE				
	oral	LD50 2790 mg/kg	Rat	REACH Registration	OECD 401
	dermal	LD50 5610 mg/kg	Rabbit	REACH Registration	OECD 402
98-55-5	NATURAL ALPHA-TERPINEOL				
	oral	LD50 4300 mg/kg	Rat	REACH Dossier	OECD 401
	dermal	LD50 >2000 mg/kg	Rat	REACH Dossier	OECD 402
106-24-1	NATURAL GERANIOL				
	oral	LD50 3600 mg/kg	Rat	REACH registration	
	dermal	LD50 >5000 mg/kg	Rabbit	REACH registration	
586-62-9	NATURAL alpha-TERPINOLEN				
	oral	LD50 4390 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation	Data lacking			
123-35-3	NATURAL MYRCENE				
	oral	LD50 >11390 mg/kg	Rat	REACH registration	
	dermal	LD50 >5000 mg/kg	Rabbit	REACH registration	OECD 402
13877-91-3	NATURAL LINALOOL OXIDE				
	dermal	LD50 >5000 mg/kg	rabbit		
1365-19-1	NATURAL LINALOOL OXIDE				
	oral	LD50 1150 mg/kg	Rat		
	dermal	LD50 2500 mg/kg	Rabbit		
562-74-3	NATURAL 4-TERPINENOL				
	oral	LD50 1300 mg/kg	Rat	REACH registration	OECD 401
	dermal	LD50 >2500 mg/kg	Rabbit	REACH registration	OECD 402

Irritation and corrosivity

- Causes skin irritation
- Causes serious eye irritation

Sensitizing effects

May cause an allergic skin reaction (NATURAL LINALOOL EX BOIS DE ROSE; NATURAL GERANIOL; NATURAL alpha-TERPINOLEN)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

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Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): beta-Myrcene (CAS 123-35-3) is listed in group 2B.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on other hazards

Endocrine disrupting properties

No information available.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

12. Ecological information

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

14. Transport information

U.S. DOT 49 CFR 172.101

Proper shipping name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

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<u>Packing group:</u>	No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)	
<u>UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>Packing group:</u>	No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 311/312 Hazards:

- NATURAL LINALOOL EX BOIS DE ROSE (78-70-6): Immediate (acute) health hazard
- NATURAL ALPHA-TERPINEOL (98-55-5): Immediate (acute) health hazard
- NATURAL GERANIOL (106-24-1): Immediate (acute) health hazard
- NATURAL alpha-TERPINOLEN (586-62-9): Fire hazard, Immediate (acute) health hazard
- NATURAL MYRCENE (123-35-3): Fire hazard, Immediate (acute) health hazard
- NATURAL LINALOOL OXIDE (13877-91-3): Fire hazard
- NATURAL LINALOOL OXIDE (1365-19-1): Immediate (acute) health hazard
- NATURAL 4-TERPINENOL (562-74-3): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product can expose you to chemicals including beta-Myrcene (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

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Revision No: 103

Abbreviations and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%
- CLP: Classification, labelling and Packaging
- REACH: Registration, Evaluation and Authorization of Chemicals
- GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
- UN: United Nations
- DNEL: Derived No Effect Level
- DMEL: Derived Minimal Effect Level

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PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)