

## Safety Data Sheet

according to UN GHS (ST/SG/AC.10/11/Rev.8)

### NATURAL ROSE OXIDE 1% IN PG

Revision date: 12.01.2023

Product code: 323610WW

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

NATURAL ROSE OXIDE 1% IN PG

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

###### Use of the substance/mixture

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

##### 1.3. Details of the supplier of the safety data sheet

|                         |                            |                               |
|-------------------------|----------------------------|-------------------------------|
| Company name:           | Axxence Aromatic GmbH      |                               |
| Street:                 | Tackenweide 28             |                               |
| Place:                  | D-46446 Emmerich am Rhein  |                               |
| Telephone:              | + 49 2822 68561 0          | Telefax: + 49 2822 68561 39   |
| e-mail:                 | info@axxence.com           |                               |
| Contact person:         | Andreas Goertz             | Telephone: + 49 2822 68561 37 |
| e-mail:                 | andreas.goertz@axxence.com |                               |
| Internet:               | www.axxence.de             |                               |
| Responsible Department: | QM - Regulatory Affairs    |                               |

**1.4. Emergency telephone number:** +49 2822 68561 99

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### UN GHS (ST/SG/AC.10/11/Rev.8)

Hazard categories:  
 Skin corrosion/irritation: Skin Irrit. 3  
 Reproductive toxicity: Repr. 2  
 Hazard Statements:  
 Causes mild skin irritation.  
 Suspected of damaging fertility or the unborn child.

##### 2.2. Label elements

###### UN GHS (ST/SG/AC.10/11/Rev.8)

###### Hazard components for labelling

NATURAL ROSE OXIDE

**Signal word:** Warning

###### Pictograms:



###### Hazard statements

H316 Causes mild skin irritation.  
 H361 Suspected of damaging fertility or the unborn child.

###### Precautionary statements

P203 Obtain, read and follow all safety instructions before use.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P332+P317 If skin irritation occurs: Get medical help.  
 P318 IF exposed or concerned, get medical advice.  
 P405 Store locked up.

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P501

Dispose of contents/container to .

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

| CAS No     | Chemical name   | Quantity  |
|------------|---|-----------|
|            | Classification (UN GHS (ST/SG/AC.10/11/Rev.8))  |           |
| 16409-43-1 | NATURAL ROSE OXIDE  | 1 - < 5 % |
|            | Flam. Liq. 4, Repr. 2, Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 3; H227 H361 H315 H319 H402 |           |

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing powder / Water spray jet / Carbon dioxide (CO<sub>2</sub>) / alcohol resistant foam**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

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#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. 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.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

#### **7.1. 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**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

#### **7.2. 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.

## SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

#### **8.2. Exposure controls**



#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Wear eye/face protection.

##### **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.

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#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |            |                        |
|---|------------|------------------------|
| Physical state:   |            |                        |
| Colour:   | colourless |                        |
| Melting point/freezing point:                             |            | not determined         |
| Boiling point or initial boiling point and boiling range: |            | 184 °C                 |
| Flammability  |            |                        |
| Solid/liquid:   |            | not applicable         |
| Gas:  |            | not applicable         |
| Lower explosion limits:                                   |            | not applicable         |
| Upper explosion limits:                                   |            | not determined         |
| Flash point:  |            | 104 °C                 |
| Auto-ignition temperature:                                |            | >400 °C                |
| Decomposition temperature:                                |            | not determined         |
| pH-Value:   |            | not determined         |
| Water solubility:   |            | completely miscible    |
| Solubility in other solvents                              |            |                        |
| not determined  |            |                        |
| Partition coefficient n-octanol/water:                    |            | not determined         |
| Vapour pressure:  |            | >0,11 hPa              |
| (at 20 °C)  |            |                        |
| Vapour pressure:  |            | >1,81 hPa              |
| (at 50 °C)  |            |                        |
| Density:  |            | 1,04 g/cm <sup>3</sup> |
| Relative vapour density:                                  |            | not determined         |

#### 9.2. Other information

##### Information with regard to physical hazard classes

##### Explosive properties

not explosive according to EU A.14

##### Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
| Solvent content:  | 99%            |
| Solid content:    | 0%             |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

none

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#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### **Acute toxicity**

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

| CAS No     | Chemical name      |               |         |        |                    |          |
|------------|--------------------|---------------|---------|--------|--------------------|----------|
|            | Exposure route     | Dose          | Species | Source | Method             |          |
| 16409-43-1 | NATURAL ROSE OXIDE |               |         |        |                    |          |
|            | oral               | LD50<br>mg/kg | 10225   | Rat    | REACH registration |          |
|            | dermal             | LD50<br>mg/kg | >5000   | Rat    | REACH registration | OECD 402 |

##### **Irritation and corrosivity**

Causes mild skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

##### **Sensitising effects**

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

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of damaging fertility or the unborn child. (NATURAL ROSE OXIDE)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

##### **STOT-single exposure**

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

##### **STOT-repeated exposure**

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

##### **Aspiration hazard**

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

#### 11.2. Information on other hazards

##### **Endocrine disrupting properties**

No information available.

##### **Further information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### 12.1. Toxicity

The product is not: Ecotoxic.

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| CAS No     | Chemical name            |                |           |         |                                 |                                |
|------------|--------------------------|----------------|-----------|---------|---------------------------------|--------------------------------|
|            | Aquatic toxicity         | Dose           | [h]   [d] | Species | Source                          | Method                         |
| 16409-43-1 | NATURAL ROSE OXIDE       |                |           |         |                                 |                                |
|            | Acute fish toxicity      | LC50<br>mg/l   | 77,6      | 96 h    | Danio rerio (zebrafish)         | REACH registration<br>OECD 203 |
|            | Acute algae toxicity     | ErC50<br>mg/l  | 79,7      | 72 h    | Pseudokirchneriella subcapitata | REACH registration<br>OECD 201 |
|            | Acute crustacea toxicity | EC50<br>mg/l   | 33,2      | 48 h    | Daphnia magna (Big water flea)  | REACH registration<br>OECD 202 |
|            | Acute bacteria toxicity  | (EC50<br>mg/l) | >1000     | 3 h     | Activated sludge                | REACH registration<br>OECD 209 |

#### 12.2. Persistence and degradability

The product has not been tested.

| CAS No     | Chemical name                                       |       |    |                    |
|------------|---|-------|----|--------------------|
|            | Method  | Value | d  | Source             |
|            | Evaluation  |       |    |                    |
| 16409-43-1 | NATURAL ROSE OXIDE                                  |       |    |                    |
|            | OECD 301 F  | 79%   | 28 | REACH registration |
|            | Readily biodegradable (according to OECD criteria). |       |    |                    |
|            | OECD 301 F  | 62%   | 17 | REACH registration |
|            | Readily biodegradable (according to OECD criteria). |       |    |                    |
|            | OECD 301 F  | 10%   | 7  | REACH registration |
|            | Readily biodegradable (according to OECD criteria). |       |    |                    |

#### 12.3. Bioaccumulative potential

The product has not been tested.

##### Partition coefficient n-octanol/water

| CAS No     | Chemical name      | Log Pow |
|------------|--------------------|---------|
| 16409-43-1 | NATURAL ROSE OXIDE | 3,3     |

##### BCF

| CAS No     | Chemical name      | BCF | Species | Source             |
|------------|--------------------|-----|---------|--------------------|
| 16409-43-1 | NATURAL ROSE OXIDE | 107 |         | REACH Registration |

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.6. 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.

#### 12.7. Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

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

##### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

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#### SECTION 14: Transport information

##### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

##### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

##### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

##### 14.6. Special precautions for user

No information available.

##### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

#### SECTION 15: Regulatory information

##### National regulatory information

#### SECTION 16: Other information

##### 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

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

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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).

**Further Information**

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.

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