

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL INDOLE

Revision date: 09/22/2022

Product code: 259310US

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## 1. Identification

### Product identifier

NATURAL INDOLE

Substance name: NATURAL INDOLE  
CAS No: 120-72-9

### 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  |                               |
| Telephone:              | + 49 2822 68561 0          | Telefax: + 49 2822 68561 39   |
| e-mail:                 | info@axxence.com           |                               |
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| e-mail:                 | andreas.goertz@axxence.com |                               |
| Internet:               | www.axxence.de             |                               |
| 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**

Acute toxicity: Acute Tox. 3 (dermal)  
Acute toxicity: Acute Tox. 4 (oral)  
Serious eye damage/eye irritation: Eye Dam. 1  
Respiratory or skin sensitization: Skin Sens. 1  
Hazardous to the aquatic environment: Aquatic Acute 3

### Label elements

#### **29 CFR Part 1910.1200**

**Signal word:** Danger

**Pictograms:**



### **Hazard statements**

Harmful if swallowed  
Toxic in contact with skin  
May cause an allergic skin reaction  
Causes serious eye damage

### **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Call a poison center/doctor if you feel unwell.

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Rinse mouth.  
If on skin: Wash with plenty of water.  
Call a poison center/doctor if you feel unwell.  
Take off immediately all contaminated clothing and wash it before reuse.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Immediately call a poison center/doctor.  
Store locked up.  
Dispose of contents/container to Organic waste.

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients****Substances**Sum formula: C<sub>8</sub> H<sub>7</sub> N

Molecular weight: 117,15

**Hazardous components**

| CAS No   | Components     | Quantity |
|----------|----------------|----------|
| 120-72-9 | NATURAL INDOLE | 100 %    |

**4. First-aid measures****Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

**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. Call a physician immediately.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**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.

**Specific hazards arising from the chemical**

Non-flammable.

**Special protective equipment and precautions for fire-fighters**

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

**Additional information**

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### General advice

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. 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

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

##### Other information

Take up mechanically. 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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust.

#### 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. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

#### Hints on joint storage

No special measures are necessary.

## 8. Exposure controls/personal protection

### Control parameters

### Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

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

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#### 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. Suitable gloves type: NBR (Nitrile rubber) + Natural fibres (e.g. cotton)

#### 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:   | solid                  |
| Color:  |                        |
| Melting point/freezing point:                             | 52 °C                  |
| Boiling point or initial boiling point and boiling range: | 253 °C                 |
| Flammability  |                        |
| Solid/liquid:   | not determined         |
| Gas:  | not applicable         |
| Lower explosion limits:                                   | not determined         |
| Upper explosion limits:                                   | not determined         |
| Flash point:  | 110 °C                 |
| Auto-ignition temperature:                                | not determined         |
| Decomposition temperature:                                | not determined         |
| pH-Value (at 20 °C):                                      | 5,9                    |
| Water solubility:<br>(at 25 °C)                           | 3,6 g/L                |
| Solubility in other solvents                              | not determined         |
| Partition coefficient n-octanol/water:                    | 2,14                   |
| Vapor pressure:<br>(at 25 °C)                             | 0,016 hPa              |
| Density (at 20 °C):                                       | 1,22 g/cm <sup>3</sup> |
| Bulk density (at 20 °C):                                  | 230 kg/m <sup>3</sup>  |
| Relative vapour density:<br>(at 20 °C)                    | 5,6                    |

### Other information

#### Information with regard to physical hazard classes

Explosive properties

not hazard of explosion according to EU A.14

Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
| Solvent content:  | 0%             |
| Solid content:    | 100,00 %       |

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## 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

Toxic in contact with skin

Harmful if swallowed

| CAS No   | Components     |               |         |        |                          |
|----------|----------------|---------------|---------|--------|--------------------------|
|          | Exposure route | Dose          | Species | Source | Method                   |
| 120-72-9 | NATURAL INDOLE |               |         |        |                          |
|          | oral           | LD50<br>mg/kg | 1000    | Rat    | RTECS / REACH<br>Dossier |
|          | dermal         | LD50<br>mg/kg | 790     | Rabbit | RTECS / REACH<br>Dossier |

#### Irritation and corrosivity

Causes serious eye damage

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (NATURAL INDOLE)

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

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

#### 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): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

#### Aspiration hazard

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

### Information on other hazards

#### Endocrine disrupting properties

No information available.

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**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**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 substance does not have endocrine disrupting properties with respect to non-target organisms.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

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

**Contaminated packaging**

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

**14. Transport information****U.S. DOT 49 CFR 172.101****UN number or ID number:**

UN 2811

**Proper shipping name:**

TOXIC SOLIDS, ORGANIC, N.O.S.

**Transport hazard class(es):**

6.1

**Packing group:**

III

Hazard label:

6.1

**Marine transport (IMDG)****UN number or ID number:**

UN 2811

**UN proper shipping name:**

TOXIC SOLID, ORGANIC, N.O.S.

**Transport hazard class(es):**

6.1

**Packing group:**

III

Hazard label:

6.1



Special Provisions:

223, 274

Limited quantity:

5 kg

Excepted quantity:

E1

EmS:

F-A, S-A

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

**UN number or ID number:** UN 2811  
**UN proper shipping name:** TOXIC SOLID, ORGANIC, N.O.S.  
**Transport hazard class(es):** 6.1  
**Packing group:** III  
Hazard label: 6.1



Special Provisions: A3 A5  
Limited quantity Passenger: 10 kg  
Passenger LQ: Y645  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 670  
IATA-max. quantity - Passenger: 100 kg  
IATA-packing instructions - Cargo: 677  
IATA-max. quantity - Cargo: 200 kg

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

Warning: Acute Toxicity.

**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 INDOLE (120-72-9): Immediate (acute) health hazard

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

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**

Revision date: 22.09.2022

Revision No: 102

**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

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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

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

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.