

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## NATURAL PYRAZINES 18

Revision date: 11.01.2024

Product code: 324410

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

#### 1.1. Product identifier

NATURAL PYRAZINES 18

UFI: X2FY-UWPA-T008-7TCR

#### 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:         | Safety Team                      | Telephone: | + 49 2822 68561 0  |
| E-mail:                 | safety-documentation@axxence.com |            |                    |
| Internet:               | www.axxence.de                   |            |                    |
| Responsible Department: | Safety Management                |            |                    |

#### 1.4. Emergency telephone number:

+49 2822 68561 99

### SECTION 2: Hazards identification

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

##### Regulation (EC) No 1272/2008

Acute Tox. 4; H302

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

NATURAL 2,3,5-TRIMETHYLPYRAZINE  
NATURAL 2-ETHYL-5-METHYLPYRAZINE  
NATURAL 2-ETHYL-6-METHYL PYRAZINE

Signal word: Warning

Pictograms:



##### Hazard statements

H302 Harmful if swallowed.

##### Precautionary statements

|           |   |
|-----------|---|
| P264      | Wash hands thoroughly after handling.                         |
| P270      | Do not eat, drink or smoke when using this product.           |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. |
| P330      | Rinse mouth.  |
| P501      | Dispose of contents/container to organic waste.               |

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### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

| CAS No     | Chemical name                                 |          |          | Quantity  |
|------------|---|----------|----------|-----------|
|            | EC No   | Index No | REACH No |           |
|            | Classification (Regulation (EC) No 1272/2008) |          |          |           |
| 14667-55-1 | NATURAL 2,3,5-TRIMETHYLPYRAZINE               |          |          | 63 - 67 % |
|            | 238-712-0                                     |          |          |           |
|            | Acute Tox. 4; H302                            |          |          |           |
| 13360-64-0 | NATURAL 2-ETHYL-5-METHYLPYRAZINE              |          |          | 19 - 24 % |
|            | 236-416-6                                     |          |          |           |
|            | Acute Tox. 4; H302                            |          |          |           |
| 13925-03-6 | NATURAL 2-ETHYL-6-METHYL PYRAZINE             |          |          | 10 - 15 % |
|            | 237-692-0                                     |          |          |           |
|            | Acute Tox. 4; H302                            |          |          |           |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No                                    | Chemical name                     | Quantity  |
|------------|--|-----------------------------------|-----------|
|            | Specific Conc. Limits, M-factors and ATE |                                   |           |
| 14667-55-1 | 238-712-0                                | NATURAL 2,3,5-TRIMETHYLPYRAZINE   | 63 - 67 % |
|            | oral: LD50 = 806 mg/kg                   |                                   |           |
| 13360-64-0 | 236-416-6                                | NATURAL 2-ETHYL-5-METHYLPYRAZINE  | 19 - 24 % |
|            | oral: LD50 = 900 mg/kg                   |                                   |           |
| 13925-03-6 | 237-692-0                                | NATURAL 2-ETHYL-6-METHYL PYRAZINE | 10 - 15 % |
|            | oral: ATE = 500 mg/kg                    |                                   |           |

## 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. In case of eye irritation consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink 1 glass of water. Medical treatment necessary.

### 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

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### 5.1. Extinguishing media

#### Suitable extinguishing media

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

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

Non-flammable. Vapours can form explosive mixtures with air.

### 5.3. Advice for firefighters

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

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. 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

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

### 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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### 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.

### 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.

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### 7.3. Specific end use(s)

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

## 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 protection/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. Suitable gloves type Disposable gloves + NBR (Nitrile rubber)

##### Skin protection

Use of protective clothing.

##### 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:   | Liquid                |
| Colour:   |                       |
| Melting point/freezing point:                             | not determined        |
| Boiling point or initial boiling point and boiling range: | 170 °C                |
| Flammability:   | not applicable        |
| Lower explosion limits:                                   | not applicable        |
| Upper explosion limits:                                   | not determined        |
| Flash point:  | 63 °C                 |
| Auto-ignition temperature:                                | not determined        |
| Decomposition temperature:                                | not determined        |
| pH-Value:   | not determined        |
| Water solubility:   | practically insoluble |
| (at 20 °C)  |                       |
| Solubility in other solvents                              |                       |
| not determined  |                       |
| Partition coefficient n-octanol/water:                    | ~1                    |
| Vapour pressure:  | 2 hPa                 |
| (at 20 °C)  |                       |
| Density (at 20 °C):                                       | 0,98 g/cm³            |
| 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

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Oxidizing properties

The product is not: oxidising.

### Other safety characteristics

Evaporation rate:

not determined

Solvent content:

0%

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

### 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

Harmful if swallowed.

#### ATEmix calculated

ATE (oral) 762,8 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No     | Chemical name                     |                |         |                                    |        |
|------------|-----------------------------------|----------------|---------|------------------------------------|--------|
|            | Exposure route                    | Dose           | Species | Source                             | Method |
| 14667-55-1 | NATURAL 2,3,5-TRIMETHYLPYRAZINE   |                |         |                                    |        |
|            | oral                              | LD50 806 mg/kg | Rat     | Drug and Chemical Toxicology. 1980 |        |
| 13360-64-0 | NATURAL 2-ETHYL-5-METHYLPYRAZINE  |                |         |                                    |        |
|            | oral                              | LD50 900 mg/kg | Rat     | Drug and Chemical Toxicology. 1980 |        |
| 13925-03-6 | NATURAL 2-ETHYL-6-METHYL PYRAZINE |                |         |                                    |        |
|            | oral                              | ATE 500 mg/kg  |         |                                    |        |

#### Irritation and corrosivity

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

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

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

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

Reproductive toxicity: 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 hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

| CAS No     | Chemical name                   |               |           |         |             |                         |
|------------|---------------------------------|---------------|-----------|---------|-------------|-------------------------|
|            | Aquatic toxicity                | Dose          | [h]   [d] | Species | Source      | Method                  |
| 14667-55-1 | NATURAL 2,3,5-TRIMETHYLPYRAZINE |               |           |         |             |                         |
|            | Acute algae toxicity            | ErC50<br>mg/l | 82,63     | 96 h    | Green algae | Danish QSAR<br>Database |

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

| CAS No     | Chemical name                     | Log Pow |
|------------|-----------------------------------|---------|
| 14667-55-1 | NATURAL 2,3,5-TRIMETHYLPYRAZINE   | 0,95    |
| 13360-64-0 | NATURAL 2-ETHYL-5-METHYLPYRAZINE  | 1,2     |
| 13925-03-6 | NATURAL 2-ETHYL-6-METHYL PYRAZINE | 1,2     |

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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### 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.

### List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

### List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

### Contaminated packaging

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

## SECTION 14: Transport information

### Land transport (ADR/RID)

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

### Inland waterways transport (ADN)

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

### Marine transport (IMDG)

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

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

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

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3

Directive 2010/75/EU on industrial emissions: 100 % (980 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 100 % (980 g/l)

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

### Additional information

To follow: 850/2004/EC, 1107/2009/EC, 649/2012/EC

### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,14,15,16.



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### Abbreviations and acronyms

Acute Tox: Acute toxicity  
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  
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).

### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Acute Tox. 4; H302 | Calculation method       |

### Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

### 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.

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