

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 1 of 8

1. Identification

Product identifier

NATURAL PYRAZINES 10

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

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

Acute toxicity: Acute Tox. 4 (oral)

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



Hazard statements

Combustible liquid

Harmful if swallowed

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

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

If swallowed: Call a poison center/doctor if you feel unwell.

Rinse mouth.

Store in a well-ventilated place.

Dispose of contents/container to Organic waste.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 2 of 8

Mixtures

Relevant ingredients

CAS No	Components	Quantity
13360-65-1	NATURAL 2-ETHYL-3,6-DIMETHYLPYRAZINE	21 - 25 %
13925-03-6	NATURAL 2-ETHYL-6-METHYL PYRAZINE	20 - 24 %
13360-64-0	NATURAL 2-ETHYL-5-METHYLPYRAZINE	14 - 17 %
15707-34-3	NATURAL 2-ETHYL-5,6-DIMETHYLPYRAZINE	9 - 12 %
13925-07-0	NATURAL 2-ETHYL-3,5-DIMETHYLPYRAZINE	6 - 9 %
14667-55-1	NATURAL 2,3,5-TRIMETHYLPYRAZINE	5 - 8 %
123-32-0	NATURAL 2,5-DIMETHYLPYRAZINE	4 - 7 %
15707-23-0	NATURAL 2-ETHYL-3-METHYLPYRAZINE	2 - 5 %
18138-04-0	NATURAL 2,3-DIETHYL-5-METHYLPYRAZINE [^]	0 - 2 %
32736-91-7	NATURAL 2,5-DIETHYL-3-METHYLPYRAZINE	0 - 2 %
18138-05-1	NATURAL 3,5-DIETHYL-2-METHYLPYRAZINE	0 - 2 %

4. First-aid measures

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.

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. Vapors may form explosive mixtures with air.

Special protective equipment and precautions for fire-fighters

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

6. Accidental release measures

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 3 of 8

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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fume/vapor/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.

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



Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 4 of 8

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 brown
Odor:	Nutty, earthy, roasted nuts, cocoa, coffee, chocolate
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	~180 °C
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not determined
Flash point:	64 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Water solubility:	No
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapor pressure:	not determined
Density (at 20 °C):	0,97 g/cm ³
Relative vapour density:	not determined

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

Solid content:

not determined

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

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 5 of 8

No known hazardous reactions.

Conditions to avoid

none

Incompatible materials

No information available.

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed

ATEmix calculated

ATE (oral) 640,7 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
13360-65-1	NATURAL 2-ETHYL-3,6-DIMETHYLPYRAZINE				
	oral	LD50 456 mg/kg	Rat		
13925-03-6	NATURAL 2-ETHYL-6-METHYL PYRAZINE				
	oral	ATE 500 mg/kg			
13360-64-0	NATURAL 2-ETHYL-5-METHYLPYRAZINE				
	oral	LD50 900 mg/kg	Rat	Drug and Chemical Toxicology. 1980	
15707-34-3	NATURAL 2-ETHYL-5,6-DIMETHYLPYRAZINE				
	oral	ATE 500 mg/kg			
13925-07-0	NATURAL 2-ETHYL-3,5-DIMETHYLPYRAZINE				
	oral	LD50 456 mg/kg	Rat		
14667-55-1	NATURAL 2,3,5-TRIMETHYLPYRAZINE				
	oral	LD50 806 mg/kg	Rat	Drug and Chemical Toxicology. 1980	
123-32-0	NATURAL 2,5-DIMETHYLPYRAZINE				
	oral	LD50 1020 mg/kg	Rat	TheGoodScentCompany	
15707-23-0	NATURAL 2-ETHYL-3-METHYLPYRAZINE				
	oral	LD50 600 mg/kg	Rat	REACH Registration	OECD 401
32736-91-7	NATURAL 2,5-DIETHYL-3-METHYLPYRAZINE				
	oral	ATE 500 mg/kg			
18138-05-1	NATURAL 3,5-DIETHYL-2-METHYLPYRAZINE				
	oral	ATE 500 mg/kg			

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 6 of 8

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.

Sensitizing effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

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): No ingredient of this mixture is listed.

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

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 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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 7 of 8

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.

Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

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.

Packing group: 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 2-ETHYL-3,6-DIMETHYLPYRAZINE (13360-65-1): Immediate (acute) health hazard

NATURAL 2-ETHYL-6-METHYL PYRAZINE (13925-03-6): Immediate (acute) health hazard

NATURAL 2-ETHYL-5-METHYLPYRAZINE (13360-64-0): Immediate (acute) health hazard

NATURAL 2-ETHYL-5,6-DIMETHYLPYRAZINE (15707-34-3): Immediate (acute) health hazard

NATURAL 2-ETHYL-3,5-DIMETHYLPYRAZINE (13925-07-0): Immediate (acute) health hazard

NATURAL 2,3,5-TRIMETHYLPYRAZINE (14667-55-1): Immediate (acute) health hazard

NATURAL 2,5-DIMETHYLPYRAZINE (123-32-0): Fire hazard, Immediate (acute) health hazard

NATURAL 2-ETHYL-3-METHYLPYRAZINE (15707-23-0): Fire hazard, Immediate (acute) health hazard

NATURAL 2,5-DIETHYL-3-METHYLPYRAZINE (32736-91-7): Immediate (acute) health hazard

NATURAL 3,5-DIETHYL-2-METHYLPYRAZINE (18138-05-1): 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

Changes

Revision date: 12/15/2022

Revision No: 104

This data sheet contains changes from the previous version in section(s): 2,11.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

NATURAL PYRAZINES 10

Revision date: 12/15/2022

Product code: 314910US

Page 8 of 8

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