



## **MATERIAL SAFETY DATA SHEET (MSDS)**

According to REACH (EC 1907/2006) & CLP (EC 1272/2008)

NATURAL PYRAZINES 10

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### SECTION 1: IDENTIFICATION

Product Name: Natural Pyrazines 10

Product Code: 314910

UFI: 8F44-JWJ2-200V-3QFU

Recommended Use:

Fragrance and flavor ingredient for use in perfumes, cosmetics, air care, pharmaceuticals, and flavouring applications

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Supplier:

AROMOLOGY

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### SECTION 2: HAZARD IDENTIFICATION

CLP Classification

- Acute Toxicity (Oral) – Category 4

Signal Word:

WARNING

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Hazard Statements

- H302 – Harmful if swallowed

Precautionary Statements

- Wash hands thoroughly after handling



- Do not eat, drink, or smoke when using this product
- IF SWALLOWED: Call POISON CENTER if unwell
- Rinse mouth
- Dispose contents according to regulations

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of natural pyrazine compounds

Main Components

Component	CAS	Approx %
2-Ethyl-3,6-dimethylpyrazine	13360-65-1	21–25%
2-Ethyl-6-methylpyrazine	13925-03-6	20–24%
2-Ethyl-5-methylpyrazine	13360-64-0	14–17%
2-Ethyl-5,6-dimethylpyrazine	15707-34-3	9–12%
2-Ethyl-3,5-dimethylpyrazine	13925-07-0	6–9%
2,3,5-Trimethylpyrazine	14667-55-1	5–8%
2,5-Dimethylpyrazine	123-32-0	4–7%
2-Ethyl-3-methylpyrazine	15707-23-0	2–5%

Minor components present in trace amounts

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### SECTION 4: FIRST AID MEASURES

Inhalation:

Move to fresh air

Skin Contact:

Wash thoroughly with water

Eye Contact:

Rinse immediately with water



Ingestion:

Rinse mouth and drink water. Seek medical attention

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#### SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

Use appropriate media based on surrounding fire

Hazards:

Vapours may form explosive mixtures with air

Protection:

Wear self-contained breathing apparatus

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation
  - Avoid inhalation and contact
  - Prevent entry into drains
  - Absorb with inert material
  - Dispose according to regulations
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#### SECTION 7: HANDLING AND STORAGE

Handling:

Avoid inhalation and contact with skin/eyes

Use ventilation and proper PPE

Storage:

Keep container tightly closed

Store in a cool, well-ventilated area

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#### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Not established

PPE:



- Safety goggles
- Protective gloves
- Protective clothing

Respiratory Protection:  
Use if ventilation insufficient

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Boiling Point	~180 °C
Flash Point	64 °C
Density	~0.97 g/cm <sup>3</sup>
Solubility	Insoluble in water

(Data from SDS physical properties section)

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## SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions
- Avoid extreme heat
- Avoid strong oxidising agents
- No hazardous reactions expected

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## SECTION 11: TOXICOLOGICAL INFORMATION

- Harmful if swallowed
  - ATE (oral): ~640 mg/kg
  - No classification for irritation or sensitisation
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## SECTION 12: ECOLOGICAL INFORMATION

- Not classified as ecotoxic
  - Not readily biodegradable
  - Avoid release into environment
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## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations.  
Do not release into drains or environment.

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## SECTION 14: TRANSPORT INFORMATION

Mode	Status
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ADR / IMDG / IATA Not classified

✓ Not dangerous goods for transport

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## SECTION 15: REGULATORY INFORMATION

- Complies with REACH and CLP regulations
  - No SVHC substances present
  - Water hazard class: 3 (high hazard to water)
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## SECTION 16: OTHER INFORMATION

This MSDS is adapted from supplier documentation and reflects current regulatory data.  
Information is provided for safe handling, storage, and use.