

# MATERIAL SAFETY DATA SHEET

## 2-ACETYL PYRAZINE NATURAL

### 1. Identification


• Chemical name	2-Acetylpyrazine
• Synonyms	Methyl Pyrazinyl Ketone; Acetylpyrazine
• Molecular Formula	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O
• Molecular Weight	122.13
• CAS No.	22047-25-2
• FEMA No.	3126
• Einecs No.	244-753-5
• FDA	-
• CoE	2286

### 2. Hazards identification

- **Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**  
Skin irritation (Category 2) H315  
Eye irritation (Category 2) H319  
Specific target organ toxicity - single exposure (Category 3) H335

- **Label elements**

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram	
Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary statement(s)	
P261	Avoid breathing dust.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none
• <b>Other hazards</b>	none

### 3. Composition/information on ingredients

- 2-Acetyl Pyrazine ≥ 99%

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#### **4. First aid measures**

- **Eye contact:**  
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
  - **Skin contact:**  
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
  - **Inhalation:**  
Remove from exposure and move to fresh air immediately. Get medical aid.
  - **After ingestion:**  
Get medical aid. Wash mouth out with water.
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#### **5. Fire-fighting measures**

- **General Information:**  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
  - **Extinguishing Media:**  
Use water spray, dry chemical, carbon dioxide, or chemical foam.
  - **Special method of fire-fighting**  
Cool endangered containers with water spray ;Containers may explode when heated.
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#### **6. Accidental release measures**

- **General Information:**  
Use proper personal protective equipment as indicated in Section 8.
  - **Spills/Leaks:**  
Vacuum or sweep up material and place into a suitable disposal container.
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#### **7. Handling and storage**

- **Handling:**  
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.
  - **Storage:**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
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#### **8. Exposure controls and personal protection**

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- Technical measures            Local exhaust ventilation necessary  
   Take precautionary measures against electrostatic charging  
   Processing in closed systems, if possible superposed by inert gas (e.g. nitrogen).
- Engineering Controls           Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..
- Respiratory protection        In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
- Eyes                                Safety glasses
- Hand                                Protective gloves
- Skin                                 Wear appropriate protective clothing to prevent skin exposure

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## 9. **Physical and chemical properties:**

- Form                                Crystals
- Color                                Colorless to pale yellow
- Odor                                 Popcorn
- pH value at 10g/l H<sub>2</sub>O        N/A
- Boiling point                    212.9 °C
- Flash point                        N/A
- Melting point                    75 - 78 °C - lit.
- Explosive properties            N/A
- Lower explosion limit         N/A
- Upper explosion limit         N/A
- Ignition temperature         N/A
- Oxidizing properties         N/A
- Vapor pressure                 N/A
- Solubility in water             N/A
- Organic solvents                1 g in 20 ml 95% ethanol

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## 10. **Stability and reactivity**

- Chemical Stability:            Stable at room temperature in closed containers under normal storage and handling conditions.
- Conditions to Avoid            Ignition sources, excess heat, freezing temperatures, confined
- Substances to be avoided:    Metals, strong oxidizing agents, strong bases.
- Hazardous decomposition:    Carbon dioxide, carbon monoxide.
- Hazardous                         Will not occur.

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## 11. **Toxicological information**

- Acute toxicity                    No information available.
- Sensitization                    No information available.

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- Mutagenicity No information available.
- Other Studies See actual entry in RTECS for complete information.

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## 12. Ecological information

- No information available

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## 13. Disposal considerations

- Waste from residues Observe local/national regulations regarding waste disposal  
Incinerate in qualified installation with flue gas scrubbing

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## 14. Transport information

- **UN number**  
ADR/RID:- IMDG:- IATA:-
- **Shipping Name**  
ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods
- **Hazard Class**  
ADR/RID:- IMDG:- IATA:-
- **Packing Group**  
ADR/RID:- IMDG:- IATA:-

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## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
no data available
- **Chemical Safety Assessment**  
no data available

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## 16. Other information

- Document Number B-N31260-09
- Creation Date Jan. 8, 20
- Revision 9.0
- Disclaimer The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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