

## MATERIAL SAFETY DATA SHEET

### 2-ACETYL PYRAZINE

#### 1. Identification

Chemical name:	1-(Pyrazin-2-yl) Ethanone
Synonyms:	Methyl Pyrazinyl Ketone
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

Emergency overview:	-
Health hazard:	Ingestion: May cause severe and permanent damage to the digestive tract, Causes severe pain, nausea, vomiting, diarrhea, and shock.  Inhalation: Causes chemical burns to the respiratory tract. Exposure may lead to bronchitis, pharyngitis, and dental erosion. May be absorbed through the lungs.
Environmental hazard :	No information available

#### 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.

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┆ **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.

Ÿ **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:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

┆ **Storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

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## **8. Exposure controls and personal protection**

Ÿ 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).

Ÿ Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..

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Y	Respiratory protection	In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
Y	Eyes:	Safety glasses
Y	Hand	Protective gloves
Y	Skin:	Wear appropriate protective clothing to prevent skin exposure

## 9. Physical and chemical properties:

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

## 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.

## 11. Toxicological information

	Acute toxicity	No information available.
	Sensitization	No information available.
	Mutagenicity	No information available.
	Other Studies	See actual entry in RTECS for complete information.

## 12. Ecological information

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Y No information available

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### 13. Disposal considerations

Y	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

Y	UN-no.:	Not listed
Y	Shipping Name:	Not listed
Y	Hazard Class:	No information is available
Y	Packing Group:	Not listed

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### 15. Regulatory information

Y	Classification and labelling according to EU directives	
Y	Hazard Symbols	Xi Irritant
I	Risk Phrases	R 36/37/38 - Irritating to eyes, respiratory system, and skin.
I	Safety Phrases	S 02 - Keep out of the reach of children. S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36 - Wear suitable protective clothing.

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### 16. Other information

I	Document Number:	B-D31260-02
I	Creation Date:	2010-09-05
I	Revision:	2.0
I	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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