Myrazine
Naturally, we do what we can

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# SAFETY DATA SHEET

## 2-Methoxy-3(5 or 6)-isopropylpyrazine, EU NATURAL

Version 1.0 | Revision date: November 7, 2026 | Prepared in accordance with OSHA HCS 29 CFR 1910.1200 (GHS)

## 1. IDENTIFICATION

### 1.1 Product identifiers

| | |
|---|---|
| Product name | 2-Methoxy-3(5 or 6)-isopropylpyrazine |
| Product code | M3358 |
| Brand | Myrazine |
| CAS-No. | 25773-40-4 |
| EC-No. | 247-256-1 |
| FEMA No. | 3358 |

### 1.2 Relevant identified uses and uses advised against

Identified uses: Flavoring ingredient; manufacture of flavors and fragrances. For industrial and professional use.

### 1.3 Details of the supplier of the safety data sheet

Myrazine LLC, 3942 Frontage Road, Bullhead City, AZ 86442, USA
Telephone: +1 623 565 7047 | Email: benjamincheng@myrazine.com

### 1.4 Emergency telephone number

For emergencies in the US, call CHEMTREC: 1-800-424-9300 (International: +1 703-527-3887)

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance (29 CFR 1910.1200)

Flammable liquids (Category 4), H227
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

### 2.2 GHS label elements, including precautionary statements

**Pictogram(s):**



**Signal word:** Warning

**Hazard statement(s):**

H227 Combustible liquid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

**Precautionary statement(s):**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC)

None known. Strong, persistent odor even at low concentration.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance

| | |
|---|---|
| Formula | $C_8H_{12}N_2O$ |
| Molecular weight | 152.19 g/mol |
| Natural origin | Distillate of fermentation broth (EU Natural) |

| Component | CAS-No. | Classification | Concentration |
|---|---|---|---|
| 2-Methoxy-3(5 or 6)-isopropylpyrazine | 25773-40-4 | Flam. Liq. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3<br>H227, H315, H319, H335 | ≥ 95 % |

## 4. FIRST-AID MEASURES

### 4.1 Description of first-aid measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area.

**If inhaled:** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Take off contaminated clothing. Wash off with soap and plenty of water. Consult a physician if irritation persists.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritation of eyes, skin and respiratory tract. See sections 2.2 and 11.

### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically. No specific antidote.

## 5. FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance:** Carbon oxides, nitrogen oxides (NOx). Combustible; may form flammable vapor-air mixtures when heated above the flash point.

**5.3 Advice for firefighters:** Wear self-contained breathing apparatus and full protective gear. Use water spray to cool unopened containers.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Use personal protective equipment (see section 8). Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**6.2 Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**6.3 Methods for containment and cleaning up:** Absorb with inert material (sand, vermiculite, diatomaceous earth) using non-sparking tools and place in a closed container for disposal according to local regulations (see section 13).

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Handle in a closed system or with local exhaust where possible; the odor is very strong.

**7.2 Conditions for safe storage:** Keep container tightly closed in a cool, dry and well-ventilated place, protected from light and heat. Store away from strong oxidizing agents and strong acids. Recommended: original container, under nitrogen once opened.

**7.3 Specific end use(s):** Flavoring ingredient. No other specific uses stipulated.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters:** Contains no substances with occupational exposure limit values (OSHA PEL, ACGIH TLV).

**8.2 Engineering controls:** Use adequate general and local exhaust ventilation. Provide an eyewash station and safety shower.

**Eye/face protection:** Safety glasses with side-shields or chemical goggles (NIOSH or EN 166 approved).

**Skin protection:** Chemical-resistant gloves (nitrile rubber, ≥ 0.4 mm). Inspect gloves before use and dispose of contaminated gloves properly. Wash and dry hands.

**Body protection:** Impervious clothing, selected according to the amount and concentration at the workplace.

**Respiratory protection:** Where ventilation is inadequate, use a NIOSH-approved respirator with organic vapor cartridges (type ABEK, EN 14387).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance | Liquid, colorless to pale yellow |
| Odor | Green pea, earthy, beany, potato, nutty |
| Odor threshold | No data available |
| pH | No data available |
| Melting / freezing point | No data available |
| Initial boiling point / range | 189 – 190 °C @ 760 mm Hg |
| Flash point | 67 °C (153 °F) - closed cup |
| Evaporation rate | No data available |
| Upper / lower flammability limits | No data available |
| Vapor pressure | No data available |
| Relative density | 0.990 – 1.030 at 25 °C |
| Refractive index | 1.4870 – 1.5000 at 20 °C |
| Water solubility | Slightly to moderately soluble |
| Solubility | Soluble in ethanol and most organic solvents |
| Partition coefficient (log Kow) | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** No dangerous reactions known under normal conditions of use.

**10.2 Chemical stability:** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** None known.

**10.4 Conditions to avoid:** Heat, flames, sparks and other ignition sources; prolonged exposure to light and air.

**10.5 Incompatible materials:** Strong oxidizing agents, strong acids.

**10.6 Hazardous decomposition products:** Carbon oxides, nitrogen oxides (NOx). In the event of fire: see section 5.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available.

**Skin corrosion / irritation:** May cause skin irritation.

**Serious eye damage / irritation:** Causes serious eye irritation.

**Respiratory or skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No component of this product present at levels ≥ 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity:** No data available.

**STOT - single exposure:** May cause respiratory irritation.

**STOT - repeated exposure:** No data available.

**Aspiration hazard:** No data available.

**Additional information:** Evaluated by JECFA and FEMA as a flavoring substance: no safety concern at current levels of intake when used as a flavoring agent. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** No data available.

**12.2 Persistence and degradability:** Not readily biodegradable (estimated).

**12.3 Bioaccumulative potential:** Low bioaccumulation potential (estimated).

**12.4 Mobility in soil:** No data available.

**12.5 Other adverse effects:** Do not allow undiluted product to reach groundwater, water courses or sewage systems.

## 13. DISPOSAL CONSIDERATIONS

**Product:** Burn in a chemical incinerator equipped with an afterburner and scrubber, or offer surplus and non-recyclable material to a licensed disposal company. Observe all federal, state and local regulations.

**Contaminated packaging:** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

**DOT (US)**

Non-bulk: Not regulated as a hazardous material.

Bulk: NA-Number 1993, Combustible liquid, n.o.s. (2-Methoxy-3(5 or 6)-isopropylpyrazine), Packing group III

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

**TSCA (US):** Listed on the TSCA Inventory.

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels of SARA Title III, Section 313.

**SARA 311/312 Hazards:** Fire hazard (combustible), Acute health hazard

**Massachusetts Right To Know:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania / New Jersey Right To Know:** 2-Methoxy-3(5 or 6)-isopropylpyrazine, CAS-No. 25773-40-4

**California Prop. 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**Food status:** EU Natural flavoring substance per Regulation (EC) No 1334/2008, Article 22(2)(c). FEMA GRAS 3358. OU Kosher (Pareve).

## 16. OTHER INFORMATION

**Full text of H-statements referred to under sections 2 and 3**

H227 Combustible liquid.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

| HMIS Rating | | NFPA Rating | |
|---|---|---|---|
| Health hazard | 1 | Health hazard | 1 |
| Flammability | 2 | Fire hazard | 2 |
| Physical hazard | 0 | Reactivity hazard | 0 |

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