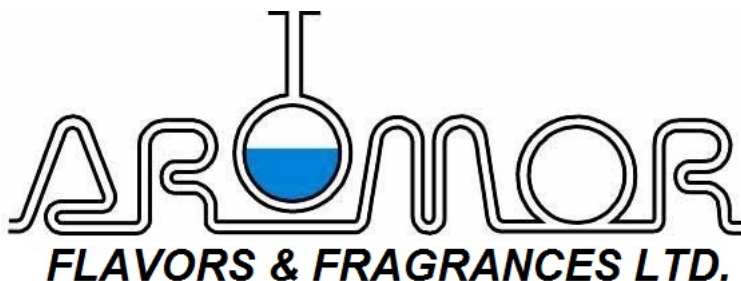


SAFETY DATA SHEET  
2-Ethyl Pyrazine



**Material Safety Data Sheet**

**2-ETHYL PYRAZINE**

Qingdao Free Trade Zone United International Co., Ltd. asks to its customers receiving this material safety data sheet to study carefully in order to know the dangers presented by the product and to inform its employees, agents, and sub-contractors.

The end user is responsible for the handling and the storage of the product to refer to legislative, regular and administrative up to date texts, concerning the protection of the workers and the population and the environmental.

This information is based on our current level of knowledge given by our own suppliers.

Date/revised: May 18, 2015	Date issued: Dec. 04, 2008
Product: 2-Ethyl pyrazine	

**1.Substance/preparation and company name**

**Company:**

AROMOR FLAVORS & FRAGRANCES LTD. KIBBUTZ GIVAT-OZ 19225, ISRAEL

Tel: +972-4-6524900/1

Fax: +972-4-6425052

**2. Hazard identification**

**Classification of the substance**

Flammable liquids (Category 3), H226

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

**Label elements**

Pictogram



Signal word: Warning

Hazard statement(s):

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s): None

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Void breathing dust/fume/ga/mist/vapours/spray.

P264 Wash hands and clothes thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 IF Swallowed: Call a poison center or doctor/physician if you feel unwell.  
P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.

**Other hazards:** None.

### 3. Composition/information on ingredients

**Chemical name:** 2-Ethyl pyrazine

**CAS No.:** 13925-00-3

**FEMA No.:** 3281

**FDA No.:** N/A

**CE No.:** 2213c

**EINECS No.:** 237-691-5

### 4. First aid measures

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

### 5. Fire fighting and measures

**Flash point:** 23°C

**Flammable limits:** N/A

**Decomposition temp.:** N/A

**Fire potential:** Highly flammable, will be easily ignited by heat, sparks or flames.

**Suitable extinguishing media:** Carbon Dioxide, foam, powder, water.

**General information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable liquid and vapor. Containers may explode if exposed to fire.

## 6. Accidental release measures

**General Information:** Use proper personal protective equipment as indicated in 9.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

## 7. Handling and storage

**Handling:** Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

## 8. Exposure controls and personal protection

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European standard EN166.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## 9. Physical and chemical properties

**Appearance:** Colorless to yellow liquid

**Formula:**  $C_6H_8N_2$

**Molecular weight:** 108.14

**Boiling point:** 152 °C

**Assay:** 99.0% min.

## 10. Stability and reactivity

**Chemical stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to avoid:** Incompatible materials, ignition sources.

**Incompatibilities with other materials:** Oxidizing agents.

**Decomposition products:** Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide.

**Combustion Products:** Fire may produce irritating, corrosive and/or toxic gases.

## 11. Toxicological information

**LD<sub>50</sub>/ LC<sub>50</sub>:** N/A

**Carcinogenicity:** Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**12. Ecological information**

N/A

**13. Disposal considerations**

Dispose of in a manner consistent with federal, state, and local regulations.

**14. Transport information**

**UN number:** 1993

**Hazard class:** 3

**Packing Group:** III

**Emergency TEL:** +972-4-6524900/1

**15. Regulatory information**

N/A

**16. Other information**

**Shelf life:** 12 months minimum in sealed containers protected from light and air

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.