

# 1-(4-Aminophenyl)-4-(4-methoxyphenyl)piperazine 74852-62-3 MSDS

## Section 1. IDENTIFICATION

**Product name:** 1-(4-Aminophenyl)-4-(4-methoxyphenyl)piperazine

**Revision number:** 5

## Section 2. HAZARDS IDENTIFICATION

### GHS classification

**PHYSICAL HAZARDS** Not classified

### HEALTH HAZARDS

**Skin corrosion/irritation** Category 2

Category 2A

**Serious eye damage/eye irritation**

**ENVIRONMENTAL HAZARDS** Not classified

### GHS label elements, including precautionary statements

#### Pictograms or hazard symbols

**Signal word** Warning

**Hazard statements** Causes skin irritation

Causes serious eye irritation

#### Precautionary statements:

Wash hands thoroughly after handling.

#### [Prevention]

Wear protective gloves/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

#### [Response]

if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture:** Substance

**Components:** 1-(4-Aminophenyl)-4-(4-methoxyphenyl)piperazine

**Percent:** >96.0%(LC)(T)

**CAS Number:** 74852-62-3

**Chemical Formula:** C<sub>17</sub>H<sub>21</sub>N<sub>3</sub>O

## Section 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical advice/attention if you feel unwell.

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### **Section 4. FIRST AID MEASURES**

**Skin contact:** Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Get medical advice/attention if you feel unwell. Rinse mouth.

A rescuer should wear personal protective equipment, such as rubber gloves and air-

**Protection of first-aiders:**

tight goggles.

### **Section 5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Dry chemical, foam, water spray, carbon dioxide.

**Specific hazards arising from the chemical:** **Take care as it may decompose upon combustion or in high temperatures to**

generate poisonous fume.

**Precautions for firefighters:** **Fire-extinguishing work is done from the windward and the suitable fire-extinguishing**

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

**Special protective equipment for firefighters:** When extinguishing fire, be sure to wear personal protective equipment.

**equipment for firefighters:**

### **Section 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and Entry to non-involved personnel should be controlled around the leakage area by** Use personal protective equipment. Keep people away from and upwind of spill/leak.

**emergency procedures: roping off, etc.**

**Environmental precautions: Prevent product from entering drains.**

**Methods and materials for containment and cleaning:** Sweep dust to collect it into an airtight container, taking care not to disperse it.

**Adhered or collected material should be promptly disposed of, in accordance with**

**up: appropriate laws and regulations.**

## Section 7. HANDLING AND STORAGE

### Precautions for safe handling

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

**Advice on safe handling: Avoid contact with skin, eyes and clothing.**

### Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep container tightly closed. Store in a cool and dark place.

Store away from incompatible materials such as oxidizing agents.

**Packaging material:** Comply with laws.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Install a closed system or local exhaust as possible so that workers should not be

exposed directly. Also install safety shower and eye bath.

### Personal protective equipment

**Respiratory protection: Dust respirator. Follow local and national regulations.**

**Hand protection:** Protective gloves.

Safety glasses. A face-shield, if the situation requires.

**Eye protection:**

**Skin and body protection: Protective clothing. Protective boots, if the situation requires.**

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state (20°C):** Solid

Crystal- Powder

**Form:**

**Colour:** Pale yellow - Greyish yellow red

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## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

**Odour:** No data available

**pH: No data available**

**Melting point/freezing point:186°C**

**Boiling point/range:** No data available

**Flash point:** No data available

**Flammability or explosive**

**limits:**

**Lower:** No data available

**Upper:** No data available

**Relative density:** No data available

**Solubility(ies):**

**[Water]** No data available

**[Other solvents]**

**Soluble:** Dimethylformamide(DMF)

**Section 10. STABILITY AND REACTIVITY**

Stable under proper conditions.

**Chemical stability:**

**Possibility of hazardous reactions:** No special reactivity has been reported.

**reactions:**

**Incompatible materials:** Oxidizing agents

**Hazardous decomposition products:** Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>)

**Section 11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/irritation:** No data available

**damage/irritation:**

**Germ cell mutagenicity:** No data available

**Carcinogenicity:**

**IARC =** No data available

**NTP =** No data available

**Reproductive toxicity:** No data available

**Section 12. ECOLOGICAL INFORMATION****Ecotoxicity:**

**Fish:** No data available

No data available

**Crustacea:**

**Algae:** No data available

**Persistence / degradability:** No data available

**Bioaccumulative potential(BCF):** No data available

**potential(BCF):****Mobility in soil**

No data available

**Log Pow:**

**Soil adsorption (K<sub>oc</sub>):** No data available

No data available

**Henry's Law**

**constant(PaM<sup>3</sup>/mol):**

**Section 13. DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve

or mix material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

#### **Section 14. TRANSPORT INFORMATION**

Does not correspond to the classification standard of the United Nations

**Hazards Class:**

**UN-No:** Not listed

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#### **Section 15. REGULATORY INFORMATION**

**Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002**

**and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport,**

loading and unloading were prescribed.

#### **SECTION 16 - ADDITIONAL INFORMATION**

N/A