

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-19

Print Date: 2025-09-25

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : 4-Phenylmorpholine  
Product Number : P118291  
Brand : aladdin  
CAS-No. : 92-53-5

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed  
H311 Toxic in contact with skin

Precautionary statement(s)

P264 Wash hands [and ...] thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| P321      | Specific treatment (see ... on this label).                              |
| P330      | Rinse mouth.                                                             |
| P302+P352 | IF ON SKIN: wash with plenty of water.                                   |
| P361+P364 | Take off immediately all contaminated clothing and wash it before reuse. |
| P405      | Store locked up.                                                         |
| P501      | Dispose of contents/container to an approved waste disposal plant.       |
| P301+P317 | IF SWALLOWED: Get medical help.                                          |
| P316      | Get emergency medical help immediately.                                  |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                          |
|------------------|------------------------------------------|
| Synonyms         | : N-phenylmorpholine, 4-phenylmorpholine |
| Formula          | : C <sub>10</sub> H <sub>13</sub> NO     |
| Molecular weight | : 163.22                                 |
| CAS No.          | : 92-53-5                                |
| EC-NO.           | : 202-164-0                              |

| Component          | Classification    | Concentration |
|--------------------|-------------------|---------------|
| 4-Phenylmorpholine | no data available | ≥98%          |

## SECTION 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 dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

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

no data available

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

no data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

no data available

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx)

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

no data available

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection.Avoid dust formation.Avoid breathing vapors, mist or gas.Ensure adequate ventilation.

<br/>Evacuate personnel to safe areas.Avoid breathing dust.<br/>

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust.Sweep up and shovel.Keep in suitable, closed containers for

<br/>disposal.<br/>

### 6.4 Reference to other sections

no data available

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.Avoid formation of dust and aerosols.<br/>Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.<br/>

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.<br/><br/><br/>Aldrich - 211338 Page 3 of 6

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### 7.3 Specific end use(s)

no data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.  
 <br/>

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate  
 <br/>government standards such as NIOSH (US) or EN 166(EU).<br/>

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching  
 <br/>glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in  
 <br/>accordance with applicable laws and good laboratory practices. Wash and dry hands.<br/>

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the  
 <br/>concentration and amount of the dangerous substance at the specific workplace.<br/>

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type  
 N99 <br/>(US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is  
 the sole <br/>means of protection, use a full-face supplied air respirator. Use respirators and components tested  
 and approved <br/>under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

##### Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                            |                   |
|--------------------------------------------|-------------------|
| a) Appearance                              | no data available |
| b) Odour                                   | no data available |
| c) Odour Threshold                         | no data available |
| d) pH                                      | no data available |
| e) Melting point/freezing point            | 54 &#176;C        |
| f) Initial boiling point and boiling range | 270 &#176;C       |
| g) Flash point                             | 113 °C            |
| h) Evaporation rate                        | no data available |
| i) Flammability (solid, gas)               | no data available |

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|                                                 |                   |
|-------------------------------------------------|-------------------|
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure                              | no data available |
| l) Vapour density                               | no data available |
| m) Relative density                             | no data available |
| n) Water solubility                             | no data available |
| o) Partition coefficient: n-octanol/water       | no data available |
| p) Auto-ignition temperature                    | no data available |
| q) Decomposition temperature                    | no data available |
| r) Viscosity                                    | no data available |
| s) Explosive properties N                       | no data available |
| t) Oxidizing properties N                       | no data available |

## 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents, Strong acids

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

no data available

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**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available &lt;br/&gt;

**12.3 Bioaccumulative potential**

no data available &lt;br/&gt;

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available &lt;br/&gt;&lt;br/&gt;

**12.6 Other adverse effects**

no data available

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SECTION 13:

13.1 Disposal considerations

**Product**  
 Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**  
 no data available

SECTION 14: Transport information

**DOT (US)**  
 UN number: 2811                                      Packing group: III                                      Class: 6.1  
 Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (4-Phenylmorpholine) available      Reportable Quantity(RQ): no data      Poison Inhalation Hazard: No  
 Environmental Hazards: No

**IMDG**  
 UN number: 2811                                      Packing group: III                                      EMS-No: No  
 Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (4-Phenylmorpholine)

**IATA**  
 UN number: 2811                                      Packing group: III                                      Class: 6.1  
 Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (4-Phenylmorpholine)

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
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| <b>Revision Date</b>    | 19-Sep-2025                                                                                                                                         |
| <b>Print Date</b>       | 25-Sep-2025                                                                                                                                         |
| <b>Revision Summary</b> | SDS sections updated v1                                                                                                                             |

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