

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-01-16  
Print Date: 2024-01-21

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

### 1.1 Product identifiers

Product name : 5-Chloro-2-methoxyphenylmagnesium bromide  
Product Number : C141041  
Brand : aladdin  
CAS-No. : 419535-75-4

### 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 : no data available  
Signal word : no data available  
Hazard statement(s)  
Precautionary statement(s)

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : no data available

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

|                  |                     |
|------------------|---------------------|
| Formula          | : C7H6BrClMgO       |
| Molecular weight | : 245.79            |
| CAS No.          | : 419535-75-4       |
| EC-NO.           | : no data available |

| Component                                 | Classification    | Concentration |
|---|-------------------|---------------|
| 5-Chloro-2-methoxyphenylmagnesium bromide | no data available | 0.50M in THF  |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

Instantly remove any clothing soiled by the product.

If inhaled

Supply fresh air.If required, provide artificial respiration.Keep patient warm.Consult doctor if symptoms persist.Seek immediate medical advice.

In case of skin contact

Instantly wash with water and soap and rinse thoroughly.Seek immediate medical advice.

In case of eye contact

Rinse opened eye for several minutes under running water.Then consult doctor.

If swallowed

Seek medical treatment.

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

No further relevant information available.

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

no data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Use carbon dioxide, extinguishing powder or foam.Water may be ineffective but may be used for cooling exposed containers.

Unsuitable extinguishing media

no data available

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

Reacts violently with water If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen chloride (HCl) Hydrogen bromide (HBr) Metal oxide

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear full protective suit.

### 5.4 Further information

no data available

---

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources

### 6.2 Environmental precautions

Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

### 6.4 Reference to other sections

Keep away from ignition sources. See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle under dry protective gas. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Open and handle container with care.

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

Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Do not distill to dryness. Explosive peroxides may form, handle container cautiously. Store in cool location. Information about storage in one common storage facility: Store away from air. Store away from water. Store away from strong bases. Store away from oxidizing agents. Further information about storage conditions: Store under dry inert gas. This product is moisture sensitive. This product is air sensitive. Protect from humidity and keep away from water. Store in cool, dry conditions in well sealed containers. Avoid contact with air / oxygen (formation of peroxide). Store in a locked cabinet or with access restricted to technical experts or their assistants. Check container pressure periodically to prevent explosive peroxides.

### 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

The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Do not inhale dust / smoke / mist. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment.

Personal protective equipment

Eye/face protection

Tightly sealed safety glasses. Full face protection

Skin protection

Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Body Protection

Protective work clothing.

Respiratory protection

Use breathing protection with high concentrations.

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                 | no data available |
| f) Initial boiling point and boiling range      | no data available |
| g) Flash point                                  | no data available |
| h) Evaporation rate                             | no data available |
| i) Flammability (solid, gas)                    | no data available |
| 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 |

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

|                              |                   |
|------------------------------|-------------------|
| 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

Reacts with strong oxidizing agents Reacts violently with water Forms peroxides

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

No decomposition if used and stored according to specifications.

### 10.5 Incompatible materials

Reacts with strong oxidizing agents Reacts violently with water Forms peroxides

### 10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide Hydrogen chloride (HCl) Hydrogen bromide Metal oxide

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

Causes severe skin burns

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

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

---

## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

No further relevant information available.

### 12.6 Other adverse effects

no data available

---

## SECTION 13:

### 13.1 Disposal considerations

Product

Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal.

Contaminated packaging

Disposal must be made according to official regulations

---

## SECTION 14: Transport information

Phone: +1 (833) 552-7181 Email: [QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com) Website: <https://www.aladdinsci.com/>

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

**DOT (US)**

|   |                                  |  |
|---|----------------------------------|--|
| UN number: 2924   | Packing group: II                | Class: 3                                       |
| Proper shipping name:<br>(METHYLTETRAHYDROFURAN, 5-Chloro-2-available<br>methoxyphenylmagnesium | Reportable Quantity(RQ): no data | Poison Inhalation Hazard: no data<br>available |
| Environmental Hazards: no data available  |                                  |  |

**IMDG**

|   |                   |                           |
|---|-------------------|---------------------------|
| UN number: 2924   | Packing group: II | EMS-No: no data available |
| Proper shipping name: (METHYLTETRAHYDROFURAN, 5-Chloro-2-methoxyphenylmagnesium |                   |                           |

**IATA**

|   |                   |          |
|---|-------------------|----------|
| UN number: 2924   | Packing group: II | Class: 3 |
| Proper shipping name: (METHYLTETRAHYDROFURAN, 5-Chloro-2-methoxyphenylmagnesium |                   |          |

### SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 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> |
| <b>Creation Date</b>    | 10-Sep-2020   |
| <b>Revision Date</b>    | 16-Jan-2024   |
| <b>Print Date</b>       | 21-Jan-2024   |
| <b>Revision Summary</b> | SDS sections updated v1   |

**Disclaimer**

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.