

# SAFETY DATA SHEET

## 5-Amino-1MQ

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### Section 1: Identification

**Product name:** 5-Amino-1MQ

**Chemical name:** 5-Amino-1-methylquinolinium iodide

**CAS number:** 42464-96-0

**Molecular formula:** C<sub>10</sub>H<sub>11</sub>N<sub>2</sub>

**Molecular weight:** 286.11 g/mol

**Recommended use:** Laboratory research use only

**Uses advised against:** Not for food, drug, cosmetic or household use.

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### Section 2: Hazard(s) identification

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**

- Acute toxicity (oral), Category 4
- Skin irritation, Category 2
- Eye irritation, Category 2
- STOT SE 3 (respiratory irritation)

**Signal word:** Warning

#### Hazard statements

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

#### Precautionary statements

P261 Avoid breathing dust

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves, protective clothing and eye protection

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P302+352 IF ON SKIN: Wash with plenty of soap and water

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes

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## Section 3: Composition / information on ingredients

**Substance:** 5-Amino-1-methylquinolinium iodide

CAS: 42464-96-0

Molecular formula: C<sub>10</sub>H<sub>11</sub>IN<sub>2</sub>

Molecular weight: 286.11 g/mol

The product is supplied as a single substance for laboratory use.

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## Section 4: First aid measures

### General advice

Seek medical attention if symptoms occur.

### Inhalation

Move affected person to fresh air. If irritation persists, seek medical attention.

### Skin contact

Wash with plenty of soap and water. Remove contaminated clothing.

### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

### Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

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## Section 5: Fire-fighting measures

### Suitable extinguishing media

Water spray, dry chemical, foam or carbon dioxide.

### Hazardous combustion products

Carbon oxides, nitrogen oxides and other irritating fumes may form during combustion.

### Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

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## Section 6: Accidental release measures

**Personal precautions**

Avoid dust formation. Ensure adequate ventilation. Wear appropriate protective equipment.

**Environmental precautions**

Prevent entry into drains and water systems.

**Methods for cleaning up**

Collect spilled material carefully and place in a suitable container for disposal.

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## Section 7: Handling and storage

**Handling**

Handle in accordance with good laboratory safety practices. Avoid contact with skin and eyes. Avoid breathing dust.

**Storage**

Store in a tightly sealed container in a cool, dry and well-ventilated area. Protect from moisture and direct sunlight.

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## Section 8: Exposure controls / personal protection

**Engineering controls**

Use adequate ventilation or chemical fume hood.

**Eye protection**

Safety glasses or chemical safety goggles.

**Hand protection**

Protective gloves.

**Skin protection**

Laboratory coat or suitable protective clothing.

**Respiratory protection**

Use respiratory protection if dust exposure is possible.

**Hygiene measures**

Wash hands thoroughly after handling.

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## Section 9: Physical and chemical properties

**Appearance:** Powder  
**Color:** Light yellow to yellow (typical supplier description)  
**Odor:** No data available

**Melting point:** No data available  
**Boiling point:** No data available  
**Solubility:** Soluble in organic solvents such as DMSO and DMF

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## **Section 10: Stability and reactivity**

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

**Conditions to avoid**  
Heat, moisture, direct sunlight.

**Incompatible materials**  
Strong oxidizing agents.

**Hazardous decomposition products**  
Carbon oxides and nitrogen oxides.

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## **Section 11: Toxicological information**

Harmful if swallowed.  
Causes skin irritation and serious eye irritation.  
May cause respiratory irritation.

Toxicological properties have not been fully investigated.

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## **Section 12: Ecological information**

No specific ecological data available.  
Avoid uncontrolled release to the environment.

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## **Section 13: Disposal considerations**

Dispose of contents and container in accordance with local, regional and national regulations.  
Handle as laboratory chemical waste.

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## **Section 14: Transport information**

Not classified as dangerous goods for transport under ADR / IMDG / IATA regulations.

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## **Section 15: Regulatory information**

This substance is supplied for laboratory research purposes only.

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## **Section 16: Other information**

The information provided in this Safety Data Sheet is based on available chemical data and is intended for laboratory use and handling guidance.