

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

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2025-01-16  
Print Date: 2025-01-17

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

### 1.1 Product identifiers

Product name : Amsacrine hydrochloride  
Product Number : A107930  
Brand : aladdin  
CAS-No. : 54301-15-4

### 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



Signal word

Danger

Hazard statement(s)

H301 Toxic if swallowed  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

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P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

|                  |   |
|------------------|---|
| Synonyms         | : m-AMSA 4-(9-Acridinylamino)-N-(methanesulfonyl)-m-anisidine hydrochloride |
| Formula          | : C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S·HCl       |
| Molecular weight | : 429.92  |
| CAS No.          | : 54301-15-4  |
| EC-NO.           | : no data available   |

| Component                      | Classification    | Concentration |
|--------------------------------|-------------------|---------------|
| <b>Amsacrine hydrochloride</b> |                   |               |
|                                | no data available | ≥98%(HPLC)    |

### 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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

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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), Sulphur

**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.<br/><br/>Sigma - A9809 Page 3 of 7

**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/>Light sensitive.Keep in a dry place.<br/>

**7.3 Specific end use(s)**

no data available

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**SECTION 8: Exposure controls/personal protection**

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## 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

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## 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                 | 197-199 °C        |
| 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 |

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- 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

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## 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

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Hydrogen chloride gas

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## 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

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Genotoxicity in vitro - mouse - leukocyte DNA damage Genotoxicity in vitro - Hamster - ovary Sister chromatid exchange

**Carcinogenicity**

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.

**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**

Inhalation - May cause respiratory irritation.

**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 <br/>

### 12.3 Bioaccumulative potential

no data available <br/>

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available <br/><br/>

### 12.6 Other adverse effects

no data available

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## SECTION 13:

### 13.1 Disposal considerations

**Product**

no data available

**Contaminated packaging**

no data available

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**SECTION 14: Transport information****DOT (US)**

|  |  |                              |
|--|--|------------------------------|
| UN number: 2811  | Packing group: III                         | Class: 6.1                   |
| Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Amsacrine hydrochloride) | Reportable Quantity(RQ): no data available | 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. (Amsacrine hydrochloride) |                    |            |

**IATA**

|  |                    |            |
|--|--------------------|------------|
| UN number: 2811  | Packing group: III | Class: 6.1 |
| Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Amsacrine hydrochloride) |                    |            |

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**SECTION 15: Regulatory information**

no data available

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**SECTION 16: Other information**

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|-------------------------|--|
| <b>Prepared By</b>      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: QualityAssurance@aladdinsci.com |
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| <b>Print Date</b>       | 17-Jan-2025  |
| <b>Revision Summary</b> | SDS sections updated v1  |

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