

## SAFETY DATA SHEET

Version: v1

Revision Date: 2023-12-05

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

## 1.1 Product identifiers

Product name : Ammonium bisulfate  
Product Number : A118837  
Brand : aladdin  
CAS-No. : 7803-63-6

## 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)

Skin corrosion/irritation (Category 1), H314

Serious eye damage/eye irritation (Category 1), H318

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage

Precautionary statement(s)

P260

Do not breathe dust/fume/gas/mist/vapors/spray.

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|                     |                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P264                | Wash hands [and ...] thoroughly after handling.                                                                                                                                                          |
| P280                | Wear protective gloves/protective clothing/eye protection/face protection.                                                                                                                               |
| P363                | Wash contaminated clothing before reuse.                                                                                                                                                                 |
| P301+P330+P331      | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                                                                                                       |
| P303+P361+P353      | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].                                                                                                 |
| P405                | Store locked up.                                                                                                                                                                                         |
| P501                | Dispose of contents/container to an approved waste disposal plant.                                                                                                                                       |
| P304+P340+P310      | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.                                                                                     |
| P305+P351+P338+P310 | IF IN EYES: Rinse cautiously with water for several minutes. If contact lenses are worn and can be easily removed, remove Contact lenses. Continue rinsing. Immediately call an emergency center/doctor. |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| Synonyms         | : Ammonium hydrogen sulfate;Ammonium hydrogensulfate;Ammonium sulfatemonobasic; |
| Formula          | : H5NO4S                                                                        |
| Molecular weight | : 115.11                                                                        |
| CAS No.          | : 7803-63-6                                                                     |
| EC-NO.           | : 232-265-5                                                                     |

| Component          | Classification    | Concentration       |
|--------------------|-------------------|---------------------|
| Ammonium bisulfate | no data available | 99.99% metals basis |

## 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

Take off contaminated clothing and shoes immediately.Wash off with soap and plenty of water.Consult a physician.

In case of eye contact

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Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. 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**

Nitrogen oxides (NOx) Sulfur oxides Not combustible. Ambient fire may liberate hazardous vapours.

#### **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**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### **6.2 Environmental precautions**

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 disposal.

#### **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 formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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

Keep container tightly closed in a dry and well-ventilated place.

### 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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

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

Skin protection

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

Body Protection

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

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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|                                                 |                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------|
| a) Appearance                                   | form: crystals color: White                                                             |
| b) Odour                                        | no data available                                                                       |
| c) Odour Threshold                              | no data available                                                                       |
| d) pH                                           | no data available                                                                       |
| e) Melting point/freezing point                 | 147°C                                                                                   |
| f) Initial boiling point and boiling range      | 350°C                                                                                   |
| 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                             | 1.787                                                                                   |
| n) Water solubility                             | Soluble in water (~115.1 mg/ml at 20 °C). Insoluble in acetone, alcohol, and pyridine., |
| 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

Stable under recommended storage conditions.

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Avoid moisture.

### 10.5 Incompatible materials

Strong acids, Strong oxidizing agents

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## 10.6 Hazardous decomposition products

no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

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

no data available

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

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## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

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## 12.5 Results of PBT and vPvB assessment

no data available

## 12.6 Other adverse effects

no data available

## 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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: 2506

Packing group: II

Class: 8

Proper shipping name: Ammonium  
hydrogen sulfate

Reportable Quantity(RQ): no data  
available

Poison Inhalation Hazard: no data  
available

Environmental Hazards: No

IMDG

UN number: 2506

Packing group: II

EMS-No: no data available

Proper shipping name: Ammonium hydrogen sulfate

IATA

UN number: 2506

Packing group: II

Class: 8

Proper shipping name: Ammonium hydrogen sulfate

## SECTION 15: Regulatory information

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

## SECTION 16: Other information

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

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SDS sections updated v1

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