

Version: v1  
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## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name : Barium solution  
Product Number : B115392  
Brand : aladdin  
CAS-No. : 7440-39-3

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

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

#### 1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

#### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

### 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)

H261 In contact with water releases flammable gas  
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.  
P231+P232 Handle under inert gas/... Protect from moisture.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

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P422 Store contents under ...

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

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Synonyms	: Barium solution
Formula	: Ba
Molecular weight	: 137.33

### Component Classification Concentration

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General advice

请教医生。出示此安全技术说明书给到现场的医生看。

##### If inhaled

将受害者移到新鲜空气处，保持呼吸通畅，休息。若感不适请求医就诊。

##### In case of skin contact

用肥皂和大量的水冲洗。请教医生。

##### In case of eye contact

用大量水彻底冲洗至少15分钟并请教医生。

##### If swallowed

干粉二氧化碳(CO2)不合适的灭火剂水

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

主要症状和影响，急性和迟发效应胃/肠功能紊乱,恶心,呕吐,昏睡,头晕,消化系统失调,无力,发抖,癫痫

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

如必要的话,戴自给式呼吸器去救火。

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

no data available

##### Unsuitable extinguishing media

氧化钡

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

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使用个人防护设备。防止粉尘的生成。防止吸入蒸汽、气雾或气体。保证充分的通风。将人员撤离到安全区域。避免吸入粉尘。

**5.3 Advice for firefighters**

无数据资料

**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**

扫掉和铲掉。用防电真空清洁器或湿的刷子将溢出物收集起来并放置到容器中去,根据当地规定处理(见第13部分)。不要用水冲洗。存放在适当的闭口容器中待处理。

**6.2 Environmental precautions**

no data available

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

避免接触皮肤和眼睛。防止粉尘和气溶胶生成。在有粉尘生成的地方,提供合适的排风设备。切勿靠近火源。 – 严禁烟火。

**6.4 Reference to other sections**

For disposal see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

无数据资料

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

贮存在阴凉处。容器保持紧闭,储存在干燥通风处。贮存期间严禁与水接触。充气保存

**7.3 Specific end use(s)**

按照良好工业和安全规范操作。休息前和工作结束时洗手。

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**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

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workday.

### Personal protective equipment

#### Eye/face protection

no data available

#### Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU 2016 / 425 and the en 374 standard derived from it.

#### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., 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 fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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

a) Appearance	form: 件 color: 灰色
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	725 °C (1,337 °F) - lit.
f) Initial boiling point and boiling range	1,640 °C (2,984 °F) - lit.
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	3.6 g/mL at 25 °C (77 °F)
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

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no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

氧化剂,水,酸,氧,氯化了的溶剂,二氧化碳(CO2),卤素,卤代烃,醇类,硫化物,硫化氢气体

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

吸入可能有害。引起呼吸道刺激。

### 10.5 Incompatible materials

如服入是有害的。

### 10.6 Hazardous decomposition products

无数据资料吸入：刺激呼吸系统。

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

无数据资料

#### Serious eye damage/eye irritation

如果通过皮肤吸收可能是有害的。造成皮肤刺激。

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

该产品不是或不包含被IARC,ACGIH,EPA,和NTP列为致癌物的组分此产品中没有大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

#### Carcinogenicity

无数据资料

#### Reproductive toxicity

化学物质毒性作用登记:CQ8370000

#### Specific target organ toxicity - single exposure

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no data available

**Specific target organ toxicity - repeated exposure**  
造成严重眼刺激。

**Aspiration hazard**  
对鱼类的死亡率无可观察到影响的浓度- Cyprinodon variegatus (红鲈) - 500 mg/l- 96 h半数致死浓度 ( LC50) - Cyprinodor variegatus (红鲈) - > 500 mg/l- 96 h

**Additional Information**  
no data available

SECTION 12: Ecological information

- 12.1

Toxicity

no data available
- 12.2

Persistence and degradability

无数据资料
- 12.3

Bioaccumulative potential

无数据资料
- 12.4

Mobility in soil

no data available
- 12.5

Results of PBT and vPvB assessment

无数据资料
- 12.6

Other adverse effects

no data available

SECTION 13:

- 13.1

Disposal considerations

Product

no data available

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 1400

Proper shipping name: BARIUM

Packing group: II

Reportable Quantity(RQ): no data available

Class: 4.3

Poison Inhalation Hazard: 否

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Environmental Hazards: 否

**IMDG**

UN number: 1400	Packing group: II	EMS-No: 否
Proper shipping name: BARIUM		

**IATA**

UN number: 1400	Packing group: II	Class: 4.3
Proper shipping name: BARIUM		

**SECTION 15: Regulatory information**

no data available

**SECTION 16: Other information**

**Further information**

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