

## SAFETY DATA SHEET

Version: v1

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

## 1.1 Product identifiers

Product name : 1,8-Dihydroxy-3-methylanthraquinone  
Product Number : D101144  
Brand : aladdin  
CAS-No. : 481-74-3

## 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 Company

## 1.5 Emergency telephone number

Emergency Phone : 0532-83889090  
CHEMTREC®, Inside the USA :  
CHEMTREC®, Inside 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

Warning

Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

Precautionary statement(s)

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P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant.

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms	: Chrysophanic acid
Formula	: C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>
Molecular weight	: 254.24
CAS No.	: 481-74-3
EC-NO.	: 207-572-2

Component	Classification	Concentration
1,8-Dihydroxy-3-methylantraquinone	no data available	97%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

请教医生。向到现场的医生出示此安全技术说明书。

#### 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

用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。

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

主要症状和影响，急性和迟发效应据我们所知，此化学，物理和毒性性质尚未经完整的研究。

**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

用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。

Unsuitable extinguishing media

no data available

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

使用个人防护用品。避免粉尘生成。避免吸入蒸气、烟雾或气体。保证充分的通风。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**

Do not generate dust during collection and disposal. Sweep and shovel away. Place in a suitable closed container for processing

**6.2 Environmental precautions**

Do not allow the product to enter the sewer.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**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**

No data available

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## 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and 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

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

no data available

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: transparent color: dark yellow
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	Melting point/range: 195 °C (383 °F)
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available

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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
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

强氧化剂

### 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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

no data available

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Skin corrosion/irritation

无数据资料

Serious eye damage/eye irritation

通过皮肤吸收可能有害。造成皮肤刺激。

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

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:CB6725000

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

造成严重眼刺激。

Aspiration hazard

无数据资料

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

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

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## SECTION 13:

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## 13.1 Disposal considerations

Product

no data available

Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: No

Environmental Hazards: No

IMDG

UN number: no data available

Packing group: -

EMS-No: No

Proper shipping name: Not dangerous goods

IATA

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

## SECTION 15: Regulatory information

no data available

## SECTION 16: Other information

Prepared By

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SDS sections updated v1

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