

Version: v1  
Revision Date: 2023-07-18  
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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 : N-(2,3-Epoxypropyl)phthalimide  
Product Number : I137268  
Brand : aladdin  
CAS-No. : 5455-98-1

#### 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)**  
H318 Causes serious eye damage  
**Precautionary statement(s)**  
P264 Wash hands [and ...] thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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

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SECTION 3: Composition/information on ingredients

3.1	Substances		
	Synonyms	: 2-(Oxiran-2-ylmethyl)-1H-isoindole-1,3(2H)-dione;2-Oxiranylmethyl-isoindole-1,3 dione	
	Formula	: C11H9NO3	
	Molecular weight	: 203.19	
	CAS No.	: 5455-98-1	
	EC-NO.	: 226-710-2	
	Component	Classification	Concentration
	N-(2,3-Epoxypropyl)phthalimide		
	no data available		≥95.0%

SECTION 4: First aid measures

4.1	Description of first aid measures
	<b>General advice</b> 请教医生。出示此安全技术说明书给到现场的医生看。
	<b>If inhaled</b> 如果吸入,请将患者移到新鲜空气处。如果停止了呼吸,给于人工呼吸。请教医生。
	<b>In case of skin contact</b> 用肥皂和大量的水冲洗。请教医生。
	<b>In case of eye contact</b> 用大量水彻底冲洗至少15分钟并请教医生。
	<b>If swallowed</b> 切勿给失去知觉者从嘴里喂食任何东西。用水漱口。请教医生。
4.2	Most important symptoms and effects, both acute and delayed
	切勿给失去知觉者从嘴里喂食任何东西。用水漱口。请教医生。
4.3	Indication of any immediate medical attention and special treatment needed
	据我们所知，此化学，物理和毒性性质尚未经完整的研究。

SECTION 5: Firefighting measures

5.1	Extinguishing media
	<b>Suitable extinguishing media</b> 如必要的话,戴自给式呼吸器去救火。
	<b>Unsuitable extinguishing media</b> no data available
5.2	Special hazards arising from the substance or mixture

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用水雾,耐醇泡沫,干粉或二氧化碳灭火。

**5.3 Advice for firefighters**

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**5.4 Further information**

碳氧化物,氮氧化物

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

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。

**6.2 Environmental precautions**

不要让产物进入下水道。

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

收集、处理泄漏物，不要产生灰尘。扫掉和铲掉。存放在适当的闭口容器中待处理。

**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**

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。一般性的防火保护措施。

**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。

**7.3 Specific end use(s)**

no data available

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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 workday.

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## Personal protective equipment

### Eyeface protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

### 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	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
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
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

酸,碱,氧化剂

### 10.5 Incompatible materials

no data available

### 10.6 Hazardous decomposition products

半数致死剂量(LD50) 经口- 大鼠- 4,700 mg/kg备注 : 行为的 : 嗜睡 (全面 活力抑制) 。行为的 : 运动失调症胃肠的 : 唾液腺结构或功能的变化

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

眼睛- 兔子- 严重的眼睛刺激

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

此产品中沒有大于或等于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

细胞突变性 -体外试验- 仓鼠- 子宫哺乳动物体细胞突变细胞突变性 -体外试验- 仓鼠- 胚胎形态变形细胞突变性 -体外试验- 仓鼠- 肺姐妹染色单体互换

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

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**Specific target organ toxicity - repeated exposure**  
吸入可能有害。可能引起呼吸道刺激。

**Aspiration hazard**  
no data available

**Additional Information**  
no data available

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

SECTION 13:

- 13.1

Disposal considerations

**Product**  
将剩余的和未回收的溶液交给处理公司。联系专业的拥有废弃物处理执照的机构来处理此物质。与易燃溶剂相溶或者相混合，在备有燃烧后处理和洗刷作用的化学焚化炉中燃烧

**Contaminated packaging**  
Dispose of as unused product.

SECTION 14: Transport information

**DOT (US)**  
UN number: no data available  
Proper shipping name: 非危险货物  
Environmental Hazards: 否

Packing group: no data available  
Reportable Quantity(RQ): no data available

Class: no data available  
Poison Inhalation Hazard: no data

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**IMDG**

UN number: no data available	Packing group: no data available	EMS-No: no data available
Proper shipping name: 非危险货物		

**IATA**

UN number: no data available	Packing group: no data available	Class: no data available
Proper shipping name: 非危险货物		

**SECTION 15: Regulatory information**

no data available

**SECTION 16: Other information**

**Further information**

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