

# SAFETY DATA SHEET

Version: v1

Revision Date: 2023-11-

06

Print Date: 2023-11-16

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

### 1.1 Product identifiers

Product name : 2,4-Dimethoxyphenyl isothiocyanate  
Product Number : D140551  
Brand : aladdin  
CAS-No. : 33904-03-9

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

### 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)

H302 Harmful if swallowed

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands [and ...] thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302	IF ON SKIN:
P330	Rinse mouth.
P361	Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P405	Store locked up.
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	: Isothiocyanic Acid 2,4-Dimethoxyphenyl Ester
Formula	: C9H9NO2S
Molecular weight	: 195.24
CAS No.	: 33904-03-9
EC-NO.	: no data available

Component	Classification	Concentration
2,4-Dimethoxyphenyl isothiocyanate		
	no data available	98%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

no data available

#### If inhaled

将受害者移到新鲜空气处，保持呼吸通畅，休息。立即呼叫解毒中心/医生

#### In case of skin contact

立即去除/脱掉所有被污染的衣物。用大量肥皂和水轻轻洗。立即呼叫解毒中心/医生。

#### In case of eye contact

用水小心清洗几分钟。如果方便，易操作，摘除隐形眼镜。继续清洗。立即呼叫解毒中心/医生。

#### If swallowed

立即呼叫解毒中心/医生。漱口。切勿引吐。

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

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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**

no data available

**Unsuitable extinguishing media**

干粉，泡沫，雾状水，二氧化碳

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

小心，燃烧或高温下可能分解产生毒烟。

#### **5.3 Advice for firefighters**

如必要的话,戴自给式呼吸器去救火。

#### **5.4 Further information**

水喷雾可用来冷却未打开的容器。

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### **SECTION 6: Accidental release measures**

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

Use special personal protective equipment (P3 filtering air respirator for toxic particles). Keep away from the spill/leakage and be upwind of the leakage area. The leakage area should be enclosed with safety belts, etc. to control the entry of non-related personnel.

#### **6.2 Environmental precautions**

Prevent entry into the sewer.

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

Clean and collect dust, and seal it in a closed container. Be careful not to scatter. Attached or collected materials should be immediately disposed of in accordance with appropriate laws and regulations.

#### **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**

Technical measures: Handle in a well ventilated area. Wear appropriate protective equipment. Prevent the spread of dust. Thoroughly clean hands and face after treatment. Attention: If dust or aerosols are generated, use local

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exhaust. Precautions for handling: Avoid contact with skin, eyes, and clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep the container tightly closed. Storing in a cool, dark, and well ventilated place is beneficial. Store in an inert gas environment. Moisture proof. The storage area must be locked. Store away from incompatible materials such as oxidants. Packaging materials: as per law.

## 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.

#### Personal protective equipment

##### Eyel/face 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

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's 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. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 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 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

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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	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

一般情况下稳定。

### 10.2 Chemical stability

在建议的贮存条件下是稳定的

### 10.3 Possibility of hazardous reactions

氧化剂

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

一氧化碳, 二氧化碳, 氮氧化物 (NOx), 硫氧化物

### 10.6 Hazardous decomposition products

no data available

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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**

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**

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:

### 13.1 Disposal considerations

#### Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

#### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### DOT (US)

UN number: 1759

Packing group: III

Class: 8

Proper shipping name: Corrosive solids, Reportable Quantity(RQ): no data  
not otherwise specified available

Poison Inhalation Hazard: no data  
available

Environmental Hazards: no data available

### IMDG

UN number: 1759

Packing group: III

EMS-No: no data available

Proper shipping name: Corrosive solids, not otherwise specified

### IATA

UN number: 1759

Packing group: III

Class: 8

Proper shipping name: Corrosive solids, not otherwise specified

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## SECTION 15: Regulatory information

no data available

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## SECTION 16: Other information

### Further information

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06

16