

Shanghai Aladdin Biochemical Technology Co., Ltd.  
No. 809, Chuhua Branch Road, Fengxian District, Shanghai

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2023-12-02  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : MPP+ iodide  
Product Number : N137206  
Brand : aladdin  
CAS-No. : 36913-39-0

### 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)

H301 Toxic if swallowed  
H311 Toxic in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H331 Toxic if inhaled  
H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands [and ...] thoroughly after handling.

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

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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.
P330	Rinse mouth.
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.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
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	: 1-Methyl-4-Phenylpyridinium Iodide; N-Methyl-4-Phenylpyridinium Iodide
Formula	: C <sub>12</sub> H <sub>12</sub> IN
Molecular weight	: 297.13
CAS No.	: 36913-39-0
EC-NO.	: no data available

Component	Classification	Concentration
MPP+ iodide	no data available	≥98%

## 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

如果吸入,请将患者移到新鲜空气处。如呼吸停止,进行人工呼吸。请教医生。

In case of skin contact

用肥皂和大量的水冲洗。立即将患者送往医院。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

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切勿给失去知觉者通过口喂任何东西。用水漱口。请教医生。

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

切勿给失去知觉者通过口喂任何东西。用水漱口。请教医生。

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

神经毒性,该化合物与1-甲基-4-苯基-1,2,3,6-四氢吡啶 (MPTP)密切相关,后者是潜在的神经毒剂能引起不可逆的人帕金森氏症。我们建议应充分警告,避免接触。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

Suitable extinguishing media

如必要的话,戴自给式呼吸器去救火。

Unsuitable extinguishing media

no data available

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

用水雾,抗乙醇泡沫,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,碘化氢

### SECTION 6: Accidental release measures

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

Wear a breathing mask. Avoid dust generation. Avoid inhaling vapors, smoke, or gases. Ensure sufficient ventilation. Evacuate personnel to a safe area. Avoid inhaling dust.

#### 6.2 Environmental precautions

If safety can be ensured, measures can be taken to prevent further leakage or overflow. Do not allow the product to enter the sewer.

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

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

#### 6.4 Reference to other sections

For disposal see section 13.

### SECTION 7: Handling and storage

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## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas with dust generation.

## 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. Sensitive to light/hygroscopic. Desiccant storage.

## 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

no data available

Personal protective equipment

Eye/face protection

no data available

Skin protection

no data available

Body Protection

no data available

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

# 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

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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

no data available

### 10.2 Chemical stability

在建议的贮存条件下是稳定的

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

强氧化剂

### 10.5 Incompatible materials

no data available

### 10.6 Hazardous decomposition products

吸入：半数致死剂量(LD50) 腹膜内的- 小鼠- 29 mg/kg半数致死剂量(LD50) 皮下的- 小鼠- 22.3 mg/kg备注：感觉器官和特殊感觉（鼻、眼、耳和味觉）：嗅觉：其他改变。行为的：嗜睡（全面活力抑制）。胃肠的：唾液腺结构或功能的变化

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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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

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

no data available

Reproductive toxicity

吸入-可能引起呼吸道刺激。

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

吸入会中毒。引起呼吸道刺激。

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.

## SECTION 14: Transport information

#### DOT (US)

UN number: no data available	Packing group: no data available	Class: 6.1
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1-Methyl-4-phenyl-pyridiniumIodide)	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data available
Environmental Hazards: No		

#### IMDG

UN number: no data available	Packing group: no data available	EMS-No: no data available
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1-Methyl-4-phenyl-pyridiniumIodide)		

#### IATA

UN number: no data available	Packing group: no data available	Class: 6.1
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1-Methyl-4-phenyl-pyridiniumIodide)		

## SECTION 15: Regulatory information

no data available

## SECTION 16: Other information

#### Further information

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