

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-06-13  
Print Date: 2024-06-13

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

### 1.1 Product identifiers

Product name : 2-Nitrophenylarsonic Acid  
Product Number : N159246  
Brand : aladdin  
CAS-No. : 5410-29-7

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
H301+H331: Swallowing or inhaling can cause poisoning.  
H410: Highly toxic to aquatic organisms and has long-term sustained effects.

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H301 Toxic if swallowed  
H331 Toxic if inhaled  
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

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.
P273	Avoid release to the environment.
P330	Rinse mouth.
P391	Collect spillage.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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	: ['2-Nitrobenzenearsonic Acid']
Formula	: C6H6AsNO5
Molecular weight	: 247.04
CAS No.	: 5410-29-7
EC-NO.	: no data available

Component	Classification	Concentration
2-Nitrophenylarsonic Acid	no data available	>98.0%(T)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

no data available

If inhaled

Move the victim to fresh air, maintain clear breathing, and rest. Immediately call the detoxification center/doctor.

In case of skin contact

Immediately remove/remove all contaminated clothing. Wash skin/shower with water. If skin irritation or rash occurs: seek medical attention.

In case of eye contact

Wash with water carefully for a few minutes. If convenient and easy to operate, remove contact lenses. Continue cleaning. If eye irritation: seek medical attention/medical attention.

If swallowed

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Immediately call the detoxification center/doctor. Rinse your mouth.

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

As far as we know, The chemical, physical, and toxic properties have not been fully studied yet.

#### **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

no data available

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

no data available

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

If necessary, wear a self-contained breathing apparatus to put out the fire.

#### **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**

Use personal protective equipment. Stay away from spills/leaks and keep upwind. The leakage area should be enclosed with safety belts and other measures to control the entry of unrelated personnel.

#### **6.2 Environmental precautions**

Be careful not to discharge into rivers, etc. Because considering the negative impact on the environment.

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

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

Handle in a well ventilated area. Wear appropriate protective gear. Prevent dust diffusion. Thoroughly clean hands

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and face after treatment. If possible, use a closed system. If dust or aerosols are generated, use local exhaust. Avoid contact with skin, eyes, and clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep the container sealed. Storing in a cool, dark, and well ventilated place is beneficial. The storage area must be locked. Keep away from incompatible materials such as oxidants for storage. Keep the container sealed. Storing in a cool, dark, and well ventilated place is beneficial. The storage area must be locked. Keep away from incompatible materials such as oxidants for storage.

## 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

Operate according to industrial hygiene and safety regulations. Wash hands before rest and at the end of work.

Personal protective equipment

Eye/face protection

Masks and safety glasses, please use equipment that has been tested and approved by official standards such as NIOSH (USA) or EN 166 (EU) to protect the eyes.

Skin protection

Gloves must be checked before use. Please use the correct method to remove the gloves (do not touch the outer surface of the gloves) and avoid any skin contact with the product. After use, please handle contaminated gloves carefully in accordance with relevant laws, regulations, and effective laboratory procedures and procedures. Please clean and blow dry the protective gloves selected for your hands, which must comply with the specifications given in Regulation (EU) 2016/425 and the derived EN 374 standard.

Body Protection

Anti permeation clothing, flame retardant and anti-static protective clothing, and the type of protective equipment must be selected based on the concentration and content of hazardous substances in specific workplaces.

Respiratory protection

If the hazard assessment shows the need to use a gas mask with air purification, please use a full face multi-functional gas mask (US) or ABEK type (EN 14387) gas mask cartridge as a backup for engineering control. If a gas mask is the only way to protect, use a full face ventilation gas mask. The use of respirators and parts that have been tested and passed 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

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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

Generally stable.

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Oxidizing agent

### 10.5 Incompatible materials

Carbon monoxide, carbon dioxide, etc

### 10.6 Hazardous decomposition products

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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

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no data available

## 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

Product

If possible, recycle and dispose of it. Please consult the local management department. It is recommended to dissolve and mix in combustible solvents, and incinerate in a chemical incinerator equipped with post combustion and washing devices. Please comply with all national, regional, and local regulations when disposing of waste.

Contaminated packaging

Discard as unused product.

## SECTION 14: Transport information

DOT (US)

UN number: 3465

Packing group: III

Class: 6.1

Proper shipping name: 2-

Reportable Quantity(RQ): no data

Poison Inhalation Hazard: no data

Nitrophenylarsonic Acid

available

available

Environmental Hazards: no data available

IMDG

UN number: 3465

Packing group: III

EMS-No: no data available

Proper shipping name: 2-Nitrophenylarsonic Acid

IATA

UN number: 3465

Packing group: III

Class: 6.1

Proper shipping name: 2-Nitrophenylarsonic Acid

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16: Other information

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com

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SDS sections updated v1

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