

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-01-16

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

### 1.1 Product identifiers

Product name : Anilofos  
Product Number : A110028  
Brand : aladdin  
CAS-No. : 64249-01-0

### 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)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed  
H313 May be harmful in contact with skin  
H316 Causes mild skin irritation  
H401 Toxic to aquatic life

Precautionary statement(s)

P264 Wash hands [and ...] thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

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|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| P273      | Avoid release to the environment.                                 |
| P330      | Rinse mouth.                                                      |
| P301+P312 | IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell. |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Synonyms         | : no data available                                                 |
| Formula          | : C <sub>13</sub> H <sub>19</sub> CINO <sub>3</sub> PS <sub>2</sub> |
| Molecular weight | : 367.85                                                            |
| CAS No.          | : 64249-01-0                                                        |
| EC-NO.           | : 264-756-5                                                         |

| Component | Classification    | Concentration                  |
|-----------|-------------------|--------------------------------|
| Anilofos  | no data available | analytical<br>standard, ≥98.5% |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

no data available

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

no data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Unsuitable extinguishing media**

no data available

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

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Phosphorous oxides, Sulphur oxides, Hydrogen chloride gas  
Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Oxides of phosphorus, Hydrogen chloride gas

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary

**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.Avoid dust formation.Avoid breathing vapors, mist or gas.Ensure adequate ventilation.Avoid breathing dust.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so.Do not let product enter drains.Discharge into the environment must be avoided.

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

Pick up and arrange disposal without creating dust.Sweep up and shovel.Keep in suitable, closed containers for disposal

**6.4 Reference to other sections**

no data available

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid contact with skin and eyes.Avoid formation of dust and aerosols.Provide appropriate exhaust ventilation at places where dust is formed.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.Recommended storage temperature: 2 - 8 °C

**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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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: solid color: colorless           |
| 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                                  | > 100.00 °C (> 212.00 °F) - closed cup |
| 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                      |

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|                                           |                   |
|-------------------------------------------|-------------------|
| n) Water solubility                       | no data available |
| o) Partition coefficient: n-octanol/water | 3.81              |
| 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

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Phosphorous oxides, Sulphur oxides, Hydrogen chloride gas  
Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Oxides of phosphorus, Hydrogen chloride gas

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Skin - rabbit - Mild skin irritation

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

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Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

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May be harmful if inhaled. May cause respiratory tract irritation

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

**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**

May be harmful if inhaled. May cause respiratory tract irritation

**Additional Information**

no data available

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**SECTION 12: Ecological information****12.1 Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 2.8 mg/l - 96.0 h

**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**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

**12.6 Other adverse effects**

no data available

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**SECTION 13:****13.1 Disposal considerations****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a

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chemical incinerator equipped with an afterburner and scrubber  
**Contaminated packaging**  
 Dispose of as unused product

**SECTION 14: Transport information**

|                                          |                                            |                                             |
|------------------------------------------|--------------------------------------------|---------------------------------------------|
| <b>DOT (US)</b>                          |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: no data available  | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: no data available |                                            |                                             |
| <b>IMDG</b>                              |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | EMS-No: no data available                   |
| Proper shipping name: no data available  |                                            |                                             |
| <b>IATA</b>                              |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: no data available  |                                            |                                             |

**SECTION 15: Regulatory information**

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

**SECTION 16: Other information**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
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