

# SAFETY DATA SHEET

Version: v1

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

### 1.1 Product identifiers

Product name : 3-Chloro-4-cyanopyridine  
Product Number : C123028  
Brand : aladdin  
CAS-No. : 68325-15-5

### 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

Danger

Hazard statement(s)

H301 Toxic if swallowed  
H302 Harmful if swallowed  
H311 Toxic in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled

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|                                   |                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| H335                              | May cause respiratory irritation                                                                                                 |
| <b>Precautionary statement(s)</b> |                                                                                                                                  |
| 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.                                                       |
| P321                              | Specific treatment (see ... on this label).                                                                                      |
| 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.                                                               |
| P264+P265                         | Wash hands [and ...] thoroughly after handling. Do not touch eyes.                                                               |
| P301+P316                         | IF SWALLOWED: Get emergency medical help immediately.                                                                            |
| P301+P317                         | IF SWALLOWED: Get medical help.                                                                                                  |
| P317                              | Get emergency medical help.                                                                                                      |
| P337+P317                         | If eye irritation persists: Get medical help.                                                                                    |
| P332+P317                         | If skin irritation occurs: Get medical help.                                                                                     |
| P316                              | Get emergency medical help immediately.                                                                                          |
| P319                              | Get medical help 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         | : 3-Chloroisonicotinonitrile 3-Chloropyridine-4-carbonitrile |
| Formula          | : C <sub>6</sub> H <sub>3</sub> CIN <sub>2</sub>             |
| Molecular weight | : 138.56                                                     |
| CAS No.          | : 68325-15-5                                                 |
| EC-NO.           | : no data available                                          |

| Component                       | Classification    | Concentration |
|---------------------------------|-------------------|---------------|
| <b>3-Chloro-4-cyanopyridine</b> | no data available | ≥96%          |

**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice**

no data available

**If inhaled**

Supply fresh air.If required, provide artificial respiration.Keep patient warm.Consult doctor if symptoms persist.

**In case of skin contact**

Seek immediate medical advice.Instantly wash with water and soap and rinse thoroughly.

**In case of eye contact**

Seek immediate medical advice.

**If swallowed**

Rinse opened eye for several minutes under running water.Then consult doctor.

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

No further relevant information available.acute and delayed

**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**

CO2, extinguishing powder or water jet.Fight larger fires with water jet or alcohol-resistant foam.Suitable extinguishing agents

**Unsuitable extinguishing media**

no data available

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

Can be released in case of fire:or mixture Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen cyanide (HCN) Hydrogen chloride (HCl)

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus.

**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**

Wear protective equipment.Keep unprotected persons away.and emergency procedures Ensure adequate ventilation  
Do not allow material to be released to the environment without proper governmental permits.Environmental

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precautions:

## 6.2 Environmental precautions

no data available

## 6.3 Methods and materials for containment and cleaning up

Dispose of contaminated material as waste according to item 13. cleaning up: Ensure adequate ventilation. See Section 7 for information on safe handling. Reference to other sections: See section 8 for information on personal protection equipment. See Section 13 for information on 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

Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace.

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

No special requirements. containers: Store away from oxidizing agents. storage facility:

### 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

The usual precautionary measures should be adhered to in handling the chemicals. General protective and hygienic measures: Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.

#### Personal protective equipment

##### Eye/face protection

Avoid contact with the eyes and skin

##### Skin protection

Use breathing protection with high concentrations. Breathing equipment: Check protective gloves prior to each use for their proper condition. Protection of hands: Impervious gloves. Material of gloves

##### Body Protection

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

##### Respiratory protection

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Not determined Penetration time of glove material Safety glasses Eye protection: Face protection Protective work clothing. Body protection

**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                                   | form: powder color: yellow |
| b) Odour                                        | no data available          |
| c) Odour Threshold                              | no data available          |
| d) pH                                           | no data available          |
| e) Melting point/freezing point                 | 71-74°C                    |
| 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                             | cannot be solved           |
| 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**

no data available

**10.3 Possibility of hazardous reactions**

no data available

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## 10.4 Conditions to avoid

Nitrogen oxides (NO<sub>x</sub>)

## 10.5 Incompatible materials

Oxidizing agents

## 10.6 Hazardous decomposition products

Hydrogen cyanide (prussic acid)

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Danger by skin resorption.

#### 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

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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**

Hand over to disposers of hazardous waste.Must be specially treated under adherence to official regulations.Consult state, local or national regulations for proper disposal

**Contaminated packaging**

Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**DOT (US)**

|                                          |                                            |                                             |
|------------------------------------------|--------------------------------------------|---------------------------------------------|
| 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 |                                            |                                             |

**IMDG**

|                                         |                                  |                           |
|-----------------------------------------|----------------------------------|---------------------------|
| UN number: no data available            | Packing group: no data available | EMS-No: no data available |
| Proper shipping name: no data available |                                  |                           |

**IATA**

|                                         |                                  |                          |
|-----------------------------------------|----------------------------------|--------------------------|
| 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**

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**Revision Summary**

SDS sections updated v1

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