

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

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-01-20  
Print Date: 2024-01-25

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

### 1.1 Product identifiers

Product name : Chlorodiisopropylphosphine  
Product Number : C115613  
Brand : aladdin  
CAS-No. : 40244-90-4

### 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)

H225

Highly Flammable liquid and vapor

H314

Causes severe skin burns and eye damage

Precautionary statement(s)

P210

Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.

P233

Keep container tightly closed.

P240

Ground/bond container and receiving equipment.

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P241	Use explosion-proof [electrical/ventilating/lighting/.../] equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302	IF ON SKIN:
P361	Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
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.
P370+P378	In case of fire: Use ... to extinguish.
P405	Store locked up.
P403+P235	Store in a well-ventilated place. Keep cool.
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	: Diisopropylphosphinous Chloride
Formula	: C6H14ClP
Molecular weight	: 152.6
CAS No.	: 40244-90-4
EC-NO.	: no data available

Component	Classification	Concentration
Chlorodiisopropylphosphine	no data available	98%

## 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

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

In case of skin contact

Take off contaminated clothing and shoes immediately.Wash off with soap and plenty of water.Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during  
If swallowed

Do NOT induce vomiting.Never give anything by mouth to an unconscious person.Rinse mouth with water.Consult a

#### 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

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### SECTION 5: Firefighting measures

#### 5.1 **Extinguishing media**

Suitable extinguishing media

Water,Foam,Carbon dioxide (CO<sub>2</sub>),Dry powder

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, Oxides of phosphorus, Hydrogen

#### 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 breathing vapors, mist or gas.Ensure adequate ventilation.Remove all  
<br/>sources of ignition.Evacuate personnel to safe areas.Beware of vapours accumulating to form explosive  
<br/>concentrations.Vapours can a

#### 6.2 **Environmental precautions**

Prevent further leakage or spillage if safe to do so.Do not let product enter drains.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in  
<br/>container for disposal according to local regulations (see section 13).<br/><br/><br/>Aldrich - 337773 Page 3  
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## 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 inhalation of vapour or mist.<br/>Use explosion-proof equipment.Keep away from sources of ignition - No smoking.Take measures to prevent the build <br/>up of electrostatic charge.<br/>

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

Store in cool place.Keep container tightly closed in a dry and well-ventilated place.Containers which are opened must <br/>be carefully resealed and kept upright to prevent leakage.<br/>Air and moisture sensitive.<br/>

### 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 <br/>workday.<br/>

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles.Faceshield (8-inch minimum).Use equipment for eye protection tested and approved <br/>under appropriate government standards such as NIOSH (US) or EN 166(EU).<br/>

Skin protection

Handle with gloves.Gloves must be inspected prior to use.Use proper glove removal technique (without touching <br/>glove's outer surface) to avoid skin contact with this product.Dispose of contaminated gloves after use in <br/>accordance with applicable laws and good laboratory practices.Wash and dry hands.<br/>

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective <br/>equipment must be selected according to the concentration and amount of the dangerous substance at the specific <br/>workplace.<br/>

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose <br/>combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.If the <br/>respirator is the sole means of protection, use a full-face supplied air respirator.Use respirators and components <br/>tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

Control of environmental exposure

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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	69 °C
g) Flash point	3°C
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

Vapours may form explosive mixture with air.

### 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

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## 10.5 Incompatible materials

Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, Oxides of phosphorus, Hydrogenchloride gas

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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

IARC: 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.337773 Page 5 of 7ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

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**12.2 Persistence and degradability**

no data available &lt;br/&gt;

**12.3 Bioaccumulative potential**

no data available &lt;br/&gt;

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available &lt;br/&gt;&lt;br/&gt;

**12.6 Other adverse effects**

no data available

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

Product

no data available

Contaminated packaging

no data available

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**SECTION 14: Transport information**

DOT (US)

UN number: 2924

Packing group: II

Class: 3(8)

Proper shipping name: FLAMMABLE  
LIQUID, CORROSIVE, N.O.S.  
(Chlorodiisopropylphosphine)Reportable Quantity(RQ): no data  
available

Poison Inhalation Hazard: No

Environmental Hazards: No

IMDG

UN number: 2924

Packing group: II

EMS-No: No

Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Chlorodiisopropylphosphine)

IATA

UN number: 2924

Packing group: II

Class: 3(8)

Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Chlorodiisopropylphosphine)

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**SECTION 15: Regulatory information**

no data available

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**SECTION 16: Other information**

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