

SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-11

Print Date: 2025-09-13

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

1.1 Product identifiers

Product name	: Chlorpropham Solution in Acetonitrile
Product Number	: BWY396262
Brand	: aladdin
CAS-No.	: 101-21-3

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

Identified uses	: Laboratory chemicals, Manufacture of substances.
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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)

Flammable liquid (class 2), H225

Acute toxicity, oral (category 4), H302

Acute toxicity, inhalation (category 4), H332

Acute toxicity, transdermal (category 4), H312

Serious eye injury/eye irritation (category 2A), H319

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word	Danger
Hazard statement(s)	
H225	Highly Flammable liquid and vapor
H319	Causes serious eye irritation
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled
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.
P241	Use explosion-proof [electrical/ventilating/lighting/.../] equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
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.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor. if you feel unwell.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Synonyms	: no data available
Formula	: C10HNO2Cl
Molecular weight	: 213.66

Component	Classification	Concentration
Acetonitrile		

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Component	Classification	Concentration
CAS-No. : 75-05-8 EC-No. : 200-835-2	易燃液体 类别 2; 急性毒性 类别 4; 严重眼睛损伤/眼睛刺激性 类别 2A; H225, H302, H332, H312, H319	
Chlorpropham Standard		
CAS-No. : 101-21-3 EC-No. : 202-925-7	Acute Tox. 4; Carc. 2; STOT RE 2; Aquatic Chronic 2; H302, H351, H373, H411	

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

If inhaled

First aid practitioner: confirm your own safety! After inhalation: move the injured to fresh air. If breathing stops, give mouth-to-mouth artificial respiration immediately. If necessary, use oxygen mask. Seek medical attention immediately.

In case of skin contact

In case of skin contact: immediately remove/take off all contaminated clothes. Wash skin/shower with water. Ask a doctor.

In case of eye contact

After eye contact: wash with plenty of water. Contact an ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: let the injured drink water (up to 2 cups) immediately. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

Foamed carbon dioxide (CO2) dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides and nitrogen oxides are flammable. Be careful of tempering. Steam is heavier than air, so it can spread along the ground. Hazardous gas or vapor may be generated during fire. it forms explosive mixture with air at mild

temperature

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

It is recommended for non-emergency personnel not to inhale steam and aerosol. Avoid material contact. Ensure adequate ventilation. Keep away from heat and fire sources. Disperse dangerous areas, observe emergency procedures, and solicit expert opinions. See section 8 for personal protection.

6.2 Environmental precautions

Don't let products enter the sewer. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover the sewer. Collect, contain and pump out leakage. Observe the material restrictions that may apply (see Sections 7 and 10). Absorb with liquid absorbing materials, and treat with chemical wastes. Clean the affected areas.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Operate under a fume hood. Do not inhale substances/mixtures. Avoid generating steam or smoke. Keep away from open flames, hot surfaces and ignition sources. Take measures to prevent electrostatic discharge. Change contaminated clothes immediately. Use skin protection lotion. Wash your hands and face after using this substance. Please refer to Section 2.2 for preventive measures.

7.2 Conditions for safe storage, including any incompatibilities

Keep the container closed and store it in a dry and ventilated place. Keep away from heat and fire sources. Recommended storage temperature-20 C

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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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 glove's 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. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

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
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	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

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Heat up.

10.5 Incompatible materials

Alkali, oxidant, alkali metal, reducing agent, acid

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity**Skin corrosion/irritation**

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

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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

Treat as cyanide poisoning. , always carry cyanide first aid kit with proper instructions. The onset of symptoms generally depends on the formation of cyanide and is delayed. Headache, dizziness, rash, cyanosis, excitement, depression and sleepiness can not rule out other dangers.

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

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

ecycle 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.

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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: 1648

Packing group: II

Class: 3

Proper shipping name: no data available

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no

IMDG

UN number: 1648

Packing group: II

EMS-No: no data available

Proper shipping name: no data available

IATA

UN number: 1648

Packing group: II

Class: 3

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

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com
Creation Date

13-Aug-2021

Revision Date

11-Sep-2025

Print Date

13-Sep-2025

Revision Summary

SDS sections updated v1

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