

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

SAFETY DATA SHEET

Version: v1

Revision Date: 2024-01-25

Print Date: 2024-02-02

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

1.1 Product identifiers

Product name : CN- in 0.1 mol/L NaOH
Product Number : C117600
Brand : aladdin
CAS-No. : no data available

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 : no data available
Signal word : no data available
Hazard statement(s)
Precautionary statement(s)

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

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Formula	: no data available
Molecular weight	: no data available
CAS No.	: no data available
EC-NO.	: no data available

Component	Classification	Concentration
CN- in 0.1mol/L NaOH		
	no data available	Covenan 50ug/mL,in 0.1mol/L NaOH

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

no data available

If inhaled

Assure fresh air breathing. Allow the victim to rest.

In case of skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

In case of eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

If swallowed

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Do not enter fire area without proper protective equipment, including respiratory protection.

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5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate area. Use chemically protective clothing.

6.2 Environmental precautions

Evacuate unnecessary personnel.

6.3 Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities

Strong oxidizers. Strong acids. Direct sunlight.

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

Alarm detectors should be used when toxic gases may be released. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Personal protective equipment

Eye/face protection

Chemical goggles or safety glasses

Skin protection

protective gloves.

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Body Protection

Wear chemically resistant

Respiratory protection

Wear appropriate mask.

Control of environmental exposure

no data available

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
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.

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10.3 Possibility of hazardous reactions

Contact with acids releases very toxic gases.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong acids. Strong oxidizers.

10.6 Hazardous decomposition products

no data available

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

EXPOSURE TO HIGH CONCENTRATIONS: Toxic if inhaled.

Additional Information

no data available

SECTION 12: Ecological information**12.1 Toxicity**

Ecology - water : Harmful to aquatic life. Cyanide Standard, 1000ppm LC50 fishes 1 20.7 mg/kg Potassium Cyanide (151-50-8) LC50 fishes 1 0.043 mg/l 96 h; *Salmo gairdneri* (*Oncorhynchus mykiss*) LC50 other aquatic organisms 1

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1 - 10 mg/l (96 h) EC50 Daphnia 1 0.53 - 1.9 mg/l (48 h; Daphnia magna) LC50 fish 2 0.42 - 0.45 mg/l (48 h; Lepomis macrochirus) TLM fish 1 0.49 ppm (48 h; Brachydanio rerio) TLM fish 2 0.45 - 0.57,96 h; Lepomis macrochirus Threshold limit other aquatic organisms 1 1 - 10,96 h; Pseudomonas putida; Toxicity test Threshold limit other aquatic organisms 2 0.001 mg/l Threshold limit algae 1 0.03 mg/l (192 h; Scenedesmus quadricauda; Cyanide ion) Sodium Hydroxide (1310-73-2) LC50 fishes 1 45.4 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%) EC50 Daphnia 1 40.4 mg/l (48 h; Ceriodaphnia sp.; Nominal concentration) LC50 fish 2 189 mg/l (48 h; Leuciscus idus) TLM fish 1 99 mg/l (48 h; Lepomis macrochirus) TLM fish 2 125 ppm (96 h; Gambusia affinis)

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

Dispose in a safe manner in accordance with local/national regulations.Dispose of contents/container to comply with local, state and federal regulations

Contaminated packaging

Avoid release to the environment.SECTION 14: Transport information

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

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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

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

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Revision Summary

SDS sections updated v1

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