

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

SAFETY DATA SHEET

Version: v1
Revision Date: 2024-04-22
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Sodium perborate
Product Number : B300167
Brand : aladdin
CAS-No. : 10140-63-3

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)
Acute Oral Toxicity Category 5

Serious Eye Damage/Eye Irritation Category 1

Reproductive Toxicity Category 1B

Specific target organ toxicity - (single exposure) Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

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H272	May intensify fire; oxidizer
H318	Causes serious eye damage
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
H302+H332	Harmful if swallowed or if inhaled
Precautionary statement(s)	
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P202	Do not handle until all safety precautions have been read and understood.
P220	Keep away from clothing and other combustible materials.
P221	Take any precaution to avoid mixing with combustibles/...
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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.
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.
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.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. If contact lenses are worn and can be easily removed, remove Contact lenses. Continue rinsing. Immediately call an emergency center/doctor.

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	: BH8NaO7
Molecular weight	: 153.86
CAS No.	: 10140-63-3
EC-NO.	: no data available

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

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Component	Classification	Concentration
Sodium perborate	no data available	90% ~ 94%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Transfer patients to a safe place. Consult a doctor. Show this chemical safety technical specification to the doctor at the scene.

If inhaled

If inhaled, please move the patient to fresh air.

In case of skin contact

Take off contaminated clothes and wash skin thoroughly with soapy water and clear water. Seek medical attention if you feel uncomfortable.

In case of eye contact

Separate eyelids and rinse with running water or normal saline. Seek medical attention immediately.

If swallowed

Rinse your mouth. Do not induce vomiting. Seek medical attention immediately.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Borane/boron oxides Sodium oxides Not combustible. Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

If necessary, wear self-contained breathing apparatus to put out the fire.

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

It is recommended that emergency personnel wear breathing apparatus, antistatic clothing and rubber oil-resistant gloves. Do not touch or cross the leakage. All equipment used during operation shall be grounded. Cut off the leakage source as much as possible. Eliminate all ignition sources. According to the influence area of liquid flow, steam or dust diffusion, the warning area shall be designated, and irrelevant personnel shall be evacuated to the safety area from crosswind and upwind.

6.2 Environmental precautions

Contain leakage to avoid environmental pollution. Prevent leakage from entering sewers, surface water and groundwater.

6.3 Methods and materials for containment and cleaning up

Small amount of leakage: collect the leaked liquid in a sealable container as much as possible. Absorb with sand, activated carbon or other inert materials and transfer to a safe place. Don't rush into the sewer. Large amount of leakage: build a dike or dig a pit to accommodate it. Close the drainage pipe. Cover with foam to inhibit evaporation. Transfer it to tank truck or special collector with explosion-proof pump, and recycle it or transport it to waste disposal site for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and ventilated warehouse. The reservoir temperature should not exceed 37°C .. It should be stored separately from oxidants and edible chemicals, and should not be mixed (see Part 10 for forbidden ingredients). Keep the container sealed. Keep away from kindling and heat sources. Lightning protection equipment must be installed in the warehouse. The exhaust system shall be equipped with grounding device for conducting static electricity. Adopt explosion-proof lighting and ventilation settings. It is forbidden to use equipment and tools that are easy to generate sparks. The storage area shall be equipped with emergency treatment equipment for leakage and suitable containment materials.

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 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 t

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

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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.

10.3 Possibility of hazardous reactions

Violent reactions possible with: organic combustible substances Metals Alkali metals metal catalysts Heavy metal salts bases Reducing agents Acids

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 1,200 mg/kg Remarks: Behavioral:Convulsions or effect on seizure threshold. Behavioral:Muscle weakness. (RTECS) SIGALD- 71840 Page 9 of 11 The life science business of Merck operates as MilliporeSigma in the US and Canada Acute toxicity estimate Inhalation - 1.6 mg/l - dust/mist (Expert judgment) Remarks: (Regulation (EC) No 1272/2008, Annex VI) Dermal: No data available

Skin corrosion/irritation

no data available

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Serious eye damage/eye irritation

Remarks: Causes serious eye damage. (Regulation (EC) No 1272/2008, Annex VI)

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

May damage the unborn child. Presumed human reproductive toxicant May damage the unborn child. Suspected of damaging fertility. Suspected of damaging fertility.

Specific target organ toxicity - single exposure

May cause respiratory irritation. Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

Biodegradability Biotic/Aerobic SIGALD- 71840 Page 10 of 11 The life science business of Merck operates as MilliporeSigma in the US and Canada Result: 85 % - Readily biodegradable.

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

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

recycle 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. 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: 1479

Packing group: I

Class: 5.1

Proper shipping name: OXIDIZING
SOLID, N.O.S.Reportable Quantity(RQ): no data
availablePoison Inhalation Hazard: no data
available

Environmental Hazards: NO

IMDG

UN number: 1479

Packing group: I

EMS-No: no data available

Proper shipping name: OXIDIZING SOLID, N.O.S.

IATA

UN number: 1479

Packing group: I

Class: 5.1

Proper shipping name: OXIDIZING SOLID, N.O.S.

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

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SDS sections updated v1

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