

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 : α -Bromodiphenylmethane
Product Number : A134025
Brand : aladdin
CAS-No. : 776-74-9

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)

Skin Corrosion/Irritation Category 1 B

Serious Eye Damage/Eye Irritation Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage

Precautionary statement(s)

P264

Wash hands [and ...] thoroughly after handling.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER or doctor/physician.
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.
P501	Dispose of contents/container to an approved waste disposal plant.
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed.Keep cool.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Benzhydryl Bromide;Diphenylbromomethane;Diphenylmethyl Bromide
Formula	: C13H11Br
Molecular weight	: 247.14
CAS No.	: 776-74-9
EC-NO.	: no data available

Component	Classification	Concentration
α -Bromodiphenylmethane		
	no data available	$\geq 96\%$ (GC)

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Show this safety technical specification to the doctor on site. Immediate treatment is required.

If inhaled

Transfer to fresh air. If breathing stops, carry out artificial respiration. Call a doctor or detoxification center immediately. Do not use mouth-to-mouth method when patients ingest or inhale substances. Artificial respiration is carried out by means of pocket mask equipped with one-way valve or other suitable respiratory medical devices.

In case of skin contact

Immediately wash with soap and plenty of water and remove all contaminated clothes and shoes. Call a doctor immediately.

In case of eye contact

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Rinse immediately with plenty of water for at least 15 minutes, including under eyelids. Immediate treatment is needed. Keep your eyes open when rinsing.

If swallowed

Need immediate treatment. Do not induce vomiting. Drink plenty of water. Do not feed any unconscious victim through the mouth.

4.2 Most important symptoms and effects, both acute and delayed

All contact routes lead to burns. Products are corrosive substances. Gastric lavage or vomiting is contraindicated. The possibility of perforation of stomach or esophagus should be investigate. : Eating will cause severe edema, causing serious damage to fragile tissues and risking perforation

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

Carbon dioxide (CO2), dry powder, dry sand, insoluble foam

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

This product can cause burns to the eyes, skin, and mucous membranes

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use necessary personal protective equipment. Evacuate personnel to a safe place. Avoid contact with skin, eyes or clothing.

6.2 Environmental precautions

Shall not be discharged into the environment. Prevent leakage from polluting the groundwater system. .

6.3 Methods and materials for containment and cleaning up

Clean and shovel into a suitable container for disposal to avoid dust formation.

6.4 Reference to other sections

For disposal see section 13.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment/mask. Keep away from eyes, skin or clothes. Only use in chemical exhaust hood. Don't inhale dust. Don't ingest it. Seek medical assistance immediately if swallowed.

7.2 Conditions for safe storage, including any incompatibilities

Corrosive areas. Keep the container sealed and placed in a dry and well-ventilated place. storage temp. 2-8°C

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

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective 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

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	form: solid or liquid color: Pale yellow to brown
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	36-41 °C
f) Initial boiling point and boiling range	183-185°/20mm
g) Flash point	>110 °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

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

Contact with damp air or water

10.5 Incompatible materials

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Alkali, water, oxidant

10.6 Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂), hydrogen bromide

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

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

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

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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

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: 1770

Packing group: II

Class: 8

Proper shipping name: diphenyl methyl bromide

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no data available

IMDG

UN number: 1770

Packing group: II

EMS-No: no data available

Proper shipping name: diphenyl methyl bromide

IATA

UN number: 1770

Packing group: II

Class: 8

Proper shipping name: diphenyl methyl bromide

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

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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