

SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-15

Print Date: 2025-09-21

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

1.1 Product identifiers

Product name : Aluminum iodide
Product Number : A283915
Brand : aladdin
CAS-No. : 7784-23-8

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 (Category 1B), H314

Severe eye injury (Category 1), H318

Skin allergy (Category 1), H317

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage

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H317	May cause an allergic skin reaction
H318	Causes serious eye damage
Precautionary statement(s)	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P302+P361+P354	IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes.
P316	Get emergency medical help immediately.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: Aluminum triiodide
Formula	: AlI ₃
Molecular weight	: 407.7
CAS No.	: 7784-23-8
EC-NO.	: no data available

Component	Classification	Concentration
Aluminum iodide	Skin corrosion / irritation category 1b; Severe eye injury / eye irritation category 1; H314, H318	PrimorTrace™, Ultra dry, ≥99.99% metals basis

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a doctor. Show the safety technical manual to the doctor on site.

If inhaled

If inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration. Consult a doctor.

In case of skin contact

Take off contaminated clothes and shoes immediately. Rinse with soap and plenty of water. Consult a doctor.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult your doctor.

If swallowed

Do not induce vomiting. Do not feed anything to the unconscious. Gargle with water. Consult a doctor.

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

dry powder

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Hydrogen iodide, alumina

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

Use personal protective equipment. Avoid dust generation. Avoid inhaling vapor, mist or gas. Ensure adequate ventilation. Evacuate to a safe area. Avoid inhaling dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Do not generate dust during collection and disposal. Sweep and shovel. Do not rinse with water. Place in a suitable closed container for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosol. In places where dust is generated, suitable exhaust equipment shall be provided.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container closed and store in a dry and ventilated place. Do not contact with water during storage. Sensitive to light, sensitive to air.

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

Operate according to industrial hygiene and safe use rules. Wash hands before rest and at the end of work

Personal protective equipment

Eye/face protection

For face masks and safety glasses, please use equipment that has been tested and approved by official standards such as NIOSH (USA) or en 166 (EU) for eye protection.

Skin protection

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

Body Protection

Impermeable clothing, flame retardant and anti-static protective clothing, and the type of protective equipment must be selected according to the concentration and content of hazardous substances in the specific workplace

Respiratory protection

If the hazard assessment indicates that the use of air purifying gas masks is required, please use the full mask

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type

multi-functional gas mask (US) or abek type (EN 14387) gas mask barrel as an alternative for engineering control.

If a gas mask is the only way to protect, use a full face mask. Respirators use respirators and parts that have been tested and passed 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	form: Powder color: white to off white
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	191 °C
f) Initial boiling point and boiling range	360 °C
g) Flash point	360°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	3.98
n) Water solubility	Reacts with water.
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

no data available

10.4 Conditions to avoid

Exposure to humidity.

10.5 Incompatible materials

water

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

Cause serious eye injury.

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: all the components in this product with a content of 0.1% or more are not identified as known or possible carcinogens by IARC.

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

This substance has great damage to the mucosa and upper respiratory tract, eyes and skin., Spasm, inflammation, sore throat, spasm, inflammation, bronchitis, pneumonia, pulmonary edema, burning sensation: cough, wheeze, laryngitis, shortness of breath, headache and nausea are not available for quantitative analysis of toxicity of this product. Further information: its risk cannot be excluded. Operate in accordance with good industrial health and safety regulations.

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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

We have no information on the ecological impact of this product. Other ecological information should not be released into the surrounding environment.

SECTION 13:

13.1 Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 3260

Packing group: II

Class: 8

Proper shipping name: Inorganic acid
corrosive solids, n.o.s (Aluminium iodide)available

Reportable Quantity(RQ): no data

Poison Inhalation Hazard: no data
available

Environmental Hazards: no

IMDG

UN number: 3260

Packing group: II

EMS-No: no data available

Proper shipping name: Inorganic acid corrosive solids, n.o.s (Aluminium iodide)

IATA

UN number: 3260

Packing group: II

Class: 8

Proper shipping name: Inorganic acid corrosive solids, n.o.s (Aluminium iodide)

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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

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Creation Date

07-May-2021

Revision Date

15-Sep-2025

Print Date

21-Sep-2025

Revision Summary

SDS sections updated v1

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