

No. 809, Chuhua Branch Road, Fengxian District, Shanghai

SAFETY DATA SHEET

Version: v1

Revision Date: 2024-02-07

Print Date: 2024-02-13

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

1.1 Product identifiers

Product name : (S)-(+)-Epichlorohydrin

Product Number : E100521
Brand : aladdin
CAS-No. : 67843-74-7

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd

Address : 36 Xinjinqiao Road, Shanghai

Telephone : 400-620-6333
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

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

Danger









Signal word

Hazard statement(s)

H226 Flammable liquid and vapor

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.



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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.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 [In case of inadequate ventilation] Wear respiratory protection.

P302 IF ON SKIN:

P320 Specific treatment is urgent (see ... on this label).

P330 Rinse mouth.

P361 Take off immediately all contaminated clothing.
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.

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.

P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P362+P364 Take off contaminated clothing and wash it before reuse.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to an approved waste disposal plant.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : (S)-Epichlorohydrin;(S)-1-Chloro-2,3-epoxypropane;(S)-Chloromethyloxirane;

(S)-3-Chloropropylene Oxide

Formula : C3H5CIO

Molecular weight : 92.52

CAS No. : 67843-74-7

EC-NO. : no data available



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Component	Classification	Concentration
Component	Classification	Concentration
(S)-(+)-Epichlorohydrin		
	no data available	98%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a

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

Water, Foam, Carbon dioxide (CO2), Dry powder

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.- Carbon oxides, Hydrogen chloride gas

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of <a href="https://example.com/supours-protection-example.com/supours-

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in

-container for disposal according to local regulations (see section 13).

-container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. br/>keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/>keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/scap-away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/scap-away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/scap-away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/scap-away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. br/scap-away from sources of ignition - No smoking. br/scap-away from sources of ignition - No smoking. br/scap-away from sources of ignition - No smoking. br/scap-away from sources of ignition - No smoking. br/scap-away from sources of ignition - No smoking. br/scap-away from sources of ignition - No smoking.com/br/scap-away from sources of ignition - No swow.eyenature.com/br/scap-away from sources of ignition - No swow.eyenature.com/br/scap-a

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must
be carefully resealed and kept upright to prevent leakage.

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

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles.Faceshield (8-inch minimum).Use equipment for eye protection tested and approved

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



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touching

splove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in

br/>accordance with applicable laws and good laboratory practices. Wash and dry hands.

br/>Full contact

Material: butyl-rubber

Ma

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective
br/>equipment must be selected according to the concentration and amount of the dangerous substance at the specific
br/>workplace.
br/>

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose

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).

NIOSH (US) or CEN (EU).

**Triangle Propriate use a full-face respirator with multipurpose

**Indiangle Propriate use a full-face supplied air respirator. Use

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 114 °C g) Flash point 33 °C

h) Evaporation rate no data available i) Flammability (solid, gas) no data available

j) Upper/lower flammability or

explosive limits

k) Vapour pressure

l) Vapour density

m) Relative density

n) Water solubility

no data available

no data available

no data available

no data available



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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

Vapours may form explosive mixture with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

acids, Bases, Ammonia, Amines, Sodium/sodium oxides, Zinc, Magnesium, Aluminum, and its alloys, Halides

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, Hydrogen chloride gas

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



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Carcinogenicity

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA,ACGIH, NTP, or EPA classification.Possible human carcinogenIARC: No component of this product present at levels greater than or equal to 0.1% is identified asprobable, possible or confirmed human carcinogen by IARC.ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as acarcinogen or potential carcinogen by ACGIH.NTP: No component of this product present at levels greater than or equal to 0.1% is identified as aknown or anticipated carcinogen by NTP.OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as acarcinogen or potential carcinogen by OSHA. Reproductive toxicity

May alter genetic material. Genotoxicity in vivo - mouse - Intraperitoneal Cytogenetic analysis Genotoxicity in vivo - mouse - Intraperitoneal Other mutation test systems

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

no data available

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



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Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material
br/>is highly flammable.Offer surplus and non-recyclable solutions to a licensed disposal company.Contact a licensed
br/>professional waste disposal service to dispose of this material.

Contaminated packaging

no data available

SECTION 14: Transport information

DOT (US)

UN number: 2023 Packing group: II Class: 6.1(3)

Proper shipping name: Reportable Quantity(RQ): no data Poison Inhalation Hazard: yes

EPICHLOROHYDRIN available

Environmental Hazards: No

IMDG

UN number: 2023 Packing group: II EMS-No: No

Proper shipping name: EPICHLOROHYDRIN

IATA

UN number: 2023 Packing group: II Class: 6.1(3)

Proper shipping name: EPICHLOROHYDRIN

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

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