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SAFETY DATA SHEET

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

1.1 Product identifiers

Product name : 1-Ethoxy-2-propanol
 Product Number : E110143
 Brand : aladdin
 CAS-No. : 1569-02-4

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

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

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		
Signal word	Warning	
Hazard statement(s)		
H226	Flammable liquid and vapor	
H303	May be harmful if swallowed	
H336	May cause drowsiness or dizziness	
Precautionary statement(s)		
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.	
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.	
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].	

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P405 Store locked up.

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	: Propylene Glycol Monoethyl Ether;1-Ethoxypropan-2-ol;Propylene Glycol
Monoethyl Ether	
Formula	: C5H12O2
Molecular weight	: 104.15
CAS No.	: 1569-02-4
EC-NO.	: no data available

Component	Classification	Concentration
1-Ethoxy-2-propanol	no data available	99%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
no data available

If inhaled

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. Seek medical attention. Treat symptomatically and supportively.

In case of skin contact

If the chemical gets spilled on a clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.

In case of eye contact

Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.

If swallowed

INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

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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

no data available

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

These products are toxic carbon oxides (CO, CO2).

5.3 Advice for firefighters

Extremely flammable in presence of open flames and sparks, of heat.

5.4 Further information

SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

no data available

6.2 Environmental precautions

no data available

6.3 Methods and materials for containment and cleaning up

Flammable liquid. Irritating material. Keep away from heat and sources of ignition. Mechanical exhaust required. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Consult federal, state, and/or local authorities for assistance on disposal.

6.4 Reference to other sections

no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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7.2 Conditions for safe storage, including any incompatibilities

FLAMMABLE.IRRITANT.Reactive with strong oxidizers; may be ignited by heat, sparks, or flames.Vapors may travel to source of ignition and flash back.Tightly seal container and store in a cool place.Closed containers may explode from heat of a fire.Empty containers may pose a fire risk.Evaporate residue under a fume hood if possible.Ground all equipment containing material.Keep away from heat and sources of ignition.Mechanical exhaust required.Avoid excessive heat and light.DO NOT ingest.Do not breathe gas, fumes, vapor or spray.In case of insufficient ventilation,wear suitable respiratory equipment.If ingested, seek medical advice immediately and show the container or the label.Treat symptomatically and supportively.Avoid contact with skin and eyes.

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

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.Ensure that eyewash station and safety shower is proximal to the work-station location.

Personal protective equipment

Eye/face protection

Splash goggles.

Skin protection

Gloves.

Body Protection

Lab coat.Boots.Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Respiratory protection

Vapor respirator.A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product.

Control of environmental exposure

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	form: 透明液体	color: 无色- 几乎无色
b) Odour		轻微的
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	131°C (267.8°F)	
g) Flash point	37°C (98.6°F)	

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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	溶于冷水、热水、二乙醚。
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

This material is stable if stored under proper conditions.(See Section VII for instructions)

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

No additional remark.

10.4 Conditions to avoid

No specific information is available regarding the reactivity of this material in the presence of various other materials.

10.5 Incompatible materials

no data available

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

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Serious eye damage/eye irritation
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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
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:

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13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.

Contaminated packaging

no data available

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
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

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

Further information

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