

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

Catalogue Number	CS-DA-00323
Product Name	2-Ethyl-1,3-hexanediol
CAS No.	94-96-2
Category	Fine Chemicals
Synonyms	2-ethylhexane-1,3-diol
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Serious eye damage/eye irritation (Category 2)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Not available

Precautionary Statement(s)

Code	Statement
P264+P265	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P354+P338	Not available
P317	Not available
P203	Not available
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P318	Not available
P337+P317	If eye irritation persists: Get medical help.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : 2-Ethyl-1,3-hexanediol

CAS Number : 94-96-2

Molecular Formula : C₈H₁₈O₂

Molecular Weight : 146.23

Parent Chemical : .

Synonyms : 2-ethylhexane-1,3-diol

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

- General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms persist or develop.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of soap and water. Get medical attention if irritation develops.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
- Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Not available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

- Hazardous combustion products: Carbon oxides.
- Specific hazards: Not available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Avoid inhalation of combustion products.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes. Avoid breathing vapors/mist.
- Provide adequate ventilation.
- Wear appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment. Prevent entry into drains, surface waters, or soil.

6.3 Methods and material for containment and cleaning up

- Contain spill with inert absorbent material (e.g., sand, earth, vermiculite).
- Collect into suitable, labeled containers for disposal.
- Wash spill area with water after material pickup, if appropriate.

6.4 Reference to other sections

- See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use with adequate ventilation.
- Avoid contact with skin, eyes, and clothing.
- Avoid breathing vapors/mist.
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed container in a cool, dry, well-ventilated place.
- Keep away from incompatible materials.

- Incompatible materials: Not available.

7.3 Specific end use(s)

- Fine chemical / laboratory use. No data available for additional specific uses.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Occupational exposure limits: Not available.
- Biological limit values: Not available.

8.2 Exposure controls

- Engineering controls: Use local exhaust ventilation or general ventilation to maintain exposure below applicable limits (if established).
- Personal protective equipment (PPE):
 - Eye/face protection: Safety glasses with side shields or chemical splash goggles.
 - Skin protection: Protective gloves (material selection dependent on use conditions). Wear protective clothing as needed.
 - Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection in accordance with applicable regulations.
 - Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands after use. Remove contaminated clothing and wash before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available

Property	Value
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

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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

- Heat, flames, and other ignition sources. Other conditions: Not available.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- Carbon oxides under fire conditions. Other decomposition products: Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: For more Non-Human Toxicity Excerpts (Complete) data for 2-ETHYL-1,3-HEXANEDIOL (10 total), please visit the HSDB record page. LD50 Rat oral 1400 mg/kg

- Skin corrosion/irritation: No data available.

- Serious eye damage/eye irritation: No data available.

- Respiratory or skin sensitization: TWO HUNDRED TWENTY-THREE HUMAN VOLUNTEERS WERE PATCH TESTED FOR SENSITIZATION WITH THE UNDILUTED PRODUCT. THREE ... DEVELOPED MILD SKIN REDDENING; OTHERWISE NO SIGNIFICANT SIGNS OF SENSITIZATION OCCURRED. WHEN TESTED AS A REPELLENT IN STICK FORMULATIONS CONTAINING SODIUM STEARATE, NONE SHOWED SIGNS OF IRRITATION, SENSITIZATION, OR FATIGUING OF THE SKIN. /REPELLENT FORMULATION CONTAINING SODIUM STEARATE/

- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- ... MODERATELY IRRITATING TO EYES, MUCOUS MEMBRANES, BUT NOT TO SKIN. INGESTION CAUSES CNS DEPRESSION.

Symptoms related to the physical, chemical and toxicological characteristics

- TWO HUNDRED TWENTY-THREE HUMAN VOLUNTEERS WERE PATCH TESTED FOR SENSITIZATION WITH THE UNDILUTED PRODUCT. THREE ... DEVELOPED MILD SKIN REDDENING; OTHERWISE NO SIGNIFICANT SIGNS OF SENSITIZATION OCCURRED.

SECTION 12: Ecological information

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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

- Not available.

12.6 Endocrine disrupting properties

- No data available.

12.7 Other adverse effects

- No data available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.
- Contaminated packaging: Dispose of as unused product unless cleaned and permitted by regulations.

SECTION 14: Transport information

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- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- Transport in bulk according to IMO instruments: Not available.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

SECTION 16: Other information

- Product name: 2-Ethyl-1,3-hexanediol
- CAS No.: 94-96-2
- Catalog No.: CS-DA-00323
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer

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