

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

Catalogue Number	CS-T-17478
Product Name	cis 1,4-Dichlorobutene
CAS No.	1476-11-5
Category	Impurity
Synonyms	Not available
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:

Not available

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H226	Not available
H301	Not available
H311	Not available
H314	Not available

H330	Not available
H350	Not available
H400	Not available
H410	Not available

Precautionary Statement(s)

Code	Statement
P203	Not available
P210	Not available
P233	Not available
P240	Not available
P241	Not available
P242	Not available
P243	Not available
P260	Not available
P262	Not available
P264	Wash hands thoroughly after handling.
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Not available
P301+P316	Not available
P301+P330+P331	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P302+P361+P354	Not available
P303+P361+P353	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available

P318	Not available
P320	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P361+P364	Not available
P363	Not available
P370+P378	Not available
P391	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Not available
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 : cis 1,4-Dichlorobutene

CAS Number : 1476-11-5

Molecular Formula : Not available

Molecular Weight : Not available

Parent Chemical : Not available

Synonyms : Not available

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 occur or persist. Show this SDS to medical personnel.
- Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Wash immediately with plenty of soap and water. Seek 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.
- 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.
- Not available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment (e.g., dry chemical, foam, carbon dioxide, water spray).
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

- Hazardous combustion products: May include hydrogen chloride, chlorine-containing gases, carbon oxides.
- Fire hazard: Not available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel. Ensure adequate ventilation.
- Avoid breathing vapors/mists and avoid contact with skin and eyes.
- 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 water, and soil.

6.3 Methods and material for containment and cleaning up

- Contain spill. Absorb with inert absorbent material.
- Collect in suitable, labeled containers for disposal.
- Clean contaminated area with appropriate cleaning methods; avoid generating vapors.

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

- Handle in accordance with good industrial hygiene and safety practice.
- Use only with adequate ventilation (e.g., fume hood).
- Avoid breathing vapors/mists. Avoid contact with skin, eyes, and clothing.
- Keep container tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well-ventilated place.
- Keep away from heat, sparks, open flames, and other ignition sources.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- Laboratory/research use. Impurity/analytical standard use.
- Not available.

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 airborne concentrations below applicable limits (if established). Use in a chemical fume hood where possible.
- Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Chemical-resistant gloves; protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate or exposure is possible, use appropriate respiratory protection per local regulations.
- Hygiene measures: Wash hands after handling. 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

Property	Value
d) pH	No data available
e) Vapour Pressure	No data available
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

- Not available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- Not available.

10.4 Conditions to avoid

- Heat, flames, sparks, and other ignition sources.

- Incompatible conditions: Not available.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- Hydrogen chloride, chlorine-containing gases, carbon oxides (under fire/thermal decomposition conditions).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Symptomatology: 1A) Inhalation, high vapor concn: gasping, refusal to breathe, coughing, substernal pain, & extreme respiratory distress at vapor concn over 1500 ppm. Irritation of eyes & upper respiratory mucosa appears promptly after exposure to concentrated vapors. Lacrimation & headache are prominent. Coma may occur rapidly. B) Inhalation, low vapor concn: central nervous depression & moderate irritation of respiratory system. Headache is frequent. 2) Dermal: severe skin irritation with marked inflammatory response of epidermis & underlying tissues. 3) Oral: acute gastrointestinal distress with pulmonary congestion & edema. Central nervous depression, perhaps even in the absence of impaired oxygen uptake. 4) By any route, possible late injuries to liver, kidneys & heart. 5) After inhalation exposures, malaise, headache, chest & abdominal discomfort & irritability have been reported to persist for several weeks & perhaps for several years.

- Skin corrosion/irritation: Symptomatology: 1A) Inhalation, high vapor concn: gasping, refusal to breathe, coughing, substernal pain, & extreme respiratory distress at vapor concn over 1500 ppm. Irritation of eyes & upper respiratory mucosa appears promptly after exposure to concentrated vapors. Lacrimation & headache are prominent. Coma may occur rapidly. B) Inhalation, low vapor concn: central nervous depression & moderate irritation of respiratory system. Headache is frequent. 2) Dermal: severe skin irritation with marked inflammatory response of epidermis & underlying tissues. 3) Oral: acute gastrointestinal distress with pulmonary congestion & edema. Central nervous depression, perhaps even in the absence of impaired oxygen uptake. 4) By any route, possible late injuries to liver, kidneys & heart. 5) After inhalation exposures, malaise, headache, chest & abdominal discomfort & irritability have been reported to persist for several weeks & perhaps for several years.

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

- Respiratory or skin sensitization: No data available.

- Germ cell mutagenicity: No data available.

- Carcinogenicity: Suggestive evidence of carcinogenic potential A2; Suspected human carcinogen.

/1,4-Dichloro-2-butene/

- 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

- Inhalation of vapor irritates nose and throat. Contact with eyes causes intense irritation. /Dichlorobutene/

Symptoms related to the physical, chemical and toxicological characteristics

- Symptomatology: 1A) Inhalation, high vapor concn: gasping, refusal to breathe, coughing, substernal pain, & extreme respiratory distress at vapor concn over 1500 ppm. Irritation of eyes & upper respiratory mucosa appears promptly after exposure to concentrated vapors. Lacrimation & headache are prominent. Coma may occur rapidly. B) Inhalation, low vapor concn: central nervous depression & moderate irritation of respiratory system. Headache is frequent. 2) Dermal: severe skin irritation with marked inflammatory response of epidermis & underlying tissues. 3) Oral: acute gastrointestinal distress with pulmonary congestion & edema. Central nervous depression, perhaps even in the absence of impaired oxygen uptake. 4) By any route, possible late injuries to liver, kidneys & heart. 5) After inhalation exposures, malaise, headache, chest & abdominal discomfort & irritability have been reported to persist for several weeks & perhaps for several years.

SECTION 12: Ecological information

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12.1 Toxicity

- Not available.

12.2 Persistence and degradability

- Not available.

12.3 Bioaccumulative potential

- Not available.

12.4 Mobility in soil

- Not available.

12.5 Results of PBT and vPvB assessment

- Not available.

12.6 Endocrine disrupting properties

- Not available.

12.7 Other adverse effects

- Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

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 appropriately.
- Waste codes: Not available.

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.

Note: Transport classification may vary by mode (ADR/RID, IMDG, IATA) and packaging; confirm with current regulatory listings and carrier requirements.

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

- Not available.

SECTION 16: Other information

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- Product name: cis 1,4-Dichlorobutene
- Catalog no.: CS-T-17478
- CAS no.: 1476-11-5
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer:

- The information provided is believed to be accurate based on available data, but no warranty is expressed or implied. Users are responsible for determining suitability for their particular application and for compliance with applicable laws and regulations.
- Not all sections of an SDS are provided in this document.

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