

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

Catalogue Number	CS-C-01548
Product Name	Propadiene-d4 (gas)
CAS No.	1482-85-5
Category	Stable Isotope Reagent
Synonyms	-
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
H220	Not available
H280	Not available

Precautionary Statement(s)

Code	Statement
P203	Not available
P210	Not available
P222	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P377	Not available
P381	Not available
P403	Not available
P410+P403	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Propadiene-d4 (gas)

CAS Number : 1482-85-5

Molecular Formula : C3D4

Molecular Weight : 44.06

Parent Chemical : -

Synonyms : -

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

- General advice: Remove from exposure. Show this SDS to medical personnel.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: If contact with liquefied gas occurs, treat as frostbite. Rinse with water; do not rub affected area. Obtain medical attention.
- Eye contact: Rinse cautiously with water for several minutes. If contact with liquefied gas occurs, treat as frostbite. Obtain medical attention.
- Ingestion: Not a likely route of exposure for a gas. If swallowed (e.g., condensed liquid), seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- May cause respiratory irritation.
- High concentrations may cause dizziness, headache, nausea, or asphyxiation by oxygen displacement.
- Contact with liquefied gas may cause cold burns/frostbite.
- Delayed effects: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically. Provide supportive care.

- For frostbite: Protect affected area; obtain medical attention.
- No data available on specific antidotes.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing agent appropriate for surrounding fire.
- Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture

- Flammable gas; may form explosive mixtures with air.
- Vapors may travel to ignition source and flash back.
- Containers may rupture when heated.
- Hazardous combustion products: No data available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray from a safe distance.
- If safe to do so, stop the flow of gas; do not extinguish a leaking gas flame unless leak can be stopped.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate area; eliminate all ignition sources.
- Provide adequate ventilation.
- Avoid breathing gas.
- Use appropriate respiratory protection where ventilation is inadequate.

6.2 Environmental precautions

- Prevent uncontrolled release to the environment where possible.
- No data available on specific ecological precautions.

6.3 Methods and material for containment and cleaning up

- Stop leak if it can be done safely.
- Ventilate area.
- For gas releases: Allow to disperse in a well-ventilated area.

6.4 Reference to other sections

- See Section 8 for exposure controls/personal protection.
- See Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Handle as a flammable compressed gas.

- Use only with adequate ventilation.
- Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- Avoid breathing gas.
- Use equipment rated for flammable gases; ground/bond containers and receiving equipment as appropriate.

7.2 Conditions for safe storage, including any incompatibilities

- Store cylinders secured upright in a cool, well-ventilated place.
- Protect from sunlight and physical damage.
- Keep away from ignition sources.
- Incompatibilities: No data available.

7.3 Specific end use(s)

- Stable isotope reagent. No further information available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Occupational exposure limits: Not available.

8.2 Exposure controls

- Engineering controls: Use local exhaust or general ventilation to maintain airborne concentrations as low as practicable. Use explosion-proof ventilation/electrical equipment where applicable.
- Personal protective equipment (PPE):
 - Eye/face protection: Safety glasses with side shields; use face shield where risk of exposure to cold gas/liquid exists.
 - Skin protection: Wear protective gloves suitable for cold/cryogenic exposure if contact with liquefied gas is possible. Wear protective clothing as needed.
 - Respiratory protection: If ventilation is inadequate or in confined spaces, use appropriate respiratory protection. For unknown concentrations, use SCBA.
 - Hygiene measures: Wash hands after handling. Do not eat, drink, or smoke when using this product.

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
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

- Flammable gas. No further 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, sparks, open flames, ignition sources.

- Static discharge.

- Confined spaces and inadequate ventilation.

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: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- 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

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

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

- No data 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 into confined spaces, sewers, or waterways.
- For cylinders: Return to supplier where possible. Do not puncture or incinerate cylinders.
- 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: Transport cylinders secured upright; protect from damage; keep away from heat and ignition sources.
- 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

- Regulatory listings (e.g., TSCA, REACH, DSL, EINECS/ELINCS, etc.): Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Product name: Propadiene-d4 (gas)
- Catalog No.: CS-C-01548
- CAS No.: 1482-85-5
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer

- The information provided is believed to be accurate as of the date of preparation; however, no warranty is expressed or implied. Users are responsible for determining suitability for their particular application and for compliance with applicable regulations.
- Not all properties and hazards may be known; handle with appropriate caution for flammable compressed gases.

DISCLAIMER

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