

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

Catalogue Number	CS-DE-01473
Product Name	2,4-Dimethyl-1-heptene
CAS No.	19549-87-2
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

Not available

Hazard Statement(s)

Code	Statement
H225	Not available
H304	Not available

Precautionary Statement(s)

Code	Statement
P210	Not available
P233	Not available

P240	Not available
P241	Not available
P242	Not available
P243	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	Not available
P303+P361+P353	Not available
P331	Not available
P370+P378	Not available
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 : 2,4-Dimethyl-1-heptene

CAS Number : 19549-87-2

Molecular Formula : C₉H₁₈

Molecular Weight : 126.2

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:

- Show this safety data sheet to the doctor in attendance.
- Move out of dangerous area. Get medical attention if symptoms occur or persist.

Inhalation:

- Remove person to fresh air and keep comfortable for breathing.
- If breathing is difficult, seek medical attention.

Skin contact:

- Remove contaminated clothing and shoes.
- Wash skin with plenty of water and soap.
- Get medical attention if irritation develops or persists.

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 with water.
- Do NOT induce vomiting unless directed by medical personnel.
- Never give anything by mouth to an unconscious person.
- Get 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:

- Dry chemical, carbon dioxide (CO₂), alcohol-resistant foam, water spray (fog).

Unsuitable extinguishing media:

- Not available.

5.2 Special hazards arising from the substance or mixture

- Combustible liquid; vapors may form explosive mixtures with air.
- Thermal decomposition may produce irritating and/or toxic fumes.
- Hazardous combustion products: Not available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Fight fire from a safe distance and protected location.
- Prevent fire-fighting water from entering drains and waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Eliminate all ignition sources. Avoid sparks/open flames/hot surfaces.
- Provide adequate ventilation.
- Avoid breathing vapors/mist.
- Wear appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Avoid release to the environment.
- Prevent entry into drains, sewers, and waterways.

6.3 Methods and material for containment and cleaning up

- Contain spill with inert absorbent material (e.g., sand, earth, vermiculite).
- Collect into suitable, closed, labeled containers for disposal.
- Clean spill area with detergent and water; avoid generating aerosols.

6.4 Reference to other sections

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

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only with adequate ventilation.
- Avoid breathing vapors/mist and avoid contact with skin and eyes.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Use non-sparking tools and explosion-proof equipment where appropriate.
- Ground/bond container and receiving equipment.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed.
- Store away from ignition sources.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- Laboratory/research use. Specific uses: Not available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

- No data available.

Biological limit values:

- No data available.

8.2 Exposure controls

Engineering controls:

- Use local exhaust ventilation or other engineering controls to maintain airborne levels below applicable exposure limits.
- Provide eyewash station and safety shower.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Wear protective gloves. Suitable glove material: Not available.
- Wear protective clothing as appropriate.

Respiratory protection:

- If ventilation is inadequate, use a properly fitted respirator with appropriate organic vapor cartridge and particulate filter as needed.
- Respirator selection must be based on hazard and exposure assessment.

Hygiene measures:

- Do not eat, drink, or smoke when using this product.
- Remove contaminated clothing and wash before reuse.

Environmental exposure controls:

- Avoid release to the environment.

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

Property	Value
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, sparks, open flames, hot surfaces.
- Static discharge.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- Not 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

- 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

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Incineration or disposal via licensed waste contractor may be appropriate.

Contaminated packaging:

- Empty containers may retain product residues and vapors.
- Do not cut, weld, or reuse containers unless properly cleaned and reconditioned.

Waste code:

- Not available.

SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

- Not available.

14.2 UN proper shipping name

- Not available.

14.3 Transport hazard class(es)

- Not available.

14.4 Packing group

- Not available.

14.5 Environmental hazards

- Not available.

14.6 Special precautions for user

- Not available.

14.7 Maritime 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 status/inventories: Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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Product identifier:

- Product name: 2,4-Dimethyl-1-heptene

- Catalog No.: CS-DE-01473

- CAS No.: 19549-87-2

- Category: Impurity

- Molecular weight: 126.2

Supplier:

- Clearsynth Labs Ltd., Mumbai, India

- Emergency phone: +91-22-245045900

Revision information:

- Not available.

Disclaimer:

- The information provided in this SDS is based on data believed to be reliable; however, no warranty is expressed or implied regarding its accuracy or completeness. Users must determine suitability for their particular purpose and comply with applicable laws and regulations.

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