

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

Catalogue Number	CS-O-11843
Product Name	Kirenol
CAS No.	52659-56-0
Category	API
Synonyms	(α 7R,1R,3S,4aS,4bR,7S,10aS)-1,2,3,4,4a,4b,5,6,7,9,10,10a-Dodecahydro-3-hydroxy- α 7-(hydroxymethyl)-1,4a,7-trimethyl-1,7-phenanthrenedimethanol (ACI); 1,7-Phenanthrenedimethanol, 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydro-3-hydroxy- α 7-(hydroxymethyl)-1,4a,7-trimethyl-, [1R-[1 α ,3 β ,4 α ,4b β ,7 α (R*),10a β]]- (ZCI); Kirenol
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: Not available

Not available

Hazard Statement(s)

Code	Statement
Not available	Not available

Precautionary Statement(s)

Code	Statement
Not available	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Kirenol

CAS Number : 52659-56-0

Molecular Formula : C₂₀H₃₄O₄

Molecular Weight : 338.48

Parent Chemical : Kirenol

Synonyms : (α 7R,1R,3S,4aS,4bR,7S,10aS)-1,2,3,4,4a,4b,5,6,7,9,10,10a-Dodecahydro-3-hydroxy- α 7-(hydroxymethyl)-1,4a,7-trimethyl-1,7-phenanthrenedimethanol (ACI); 1,7-Phenanthrenedimethanol, 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydro-3-hydroxy- α 7-(hydroxymethyl)-1,4a,7-trimethyl-, [1R-[1 α ,3 β ,4 α ,4 β ,7 α (R*),10 α]]- (ZCI); Kirenol

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 symptoms occur or persist, get medical attention.
- Skin contact: Wash with plenty of water and soap. Remove contaminated clothing and wash before reuse. 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. Get medical attention if irritation persists.
- Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Get medical attention.

4.2 Most important symptoms/effects, acute and delayed

- Not available.

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

- Use extinguishing measures appropriate to surrounding fire (water spray, alcohol-resistant foam, dry chemical, carbon dioxide).

5.2 Special hazards arising from the substance or mixture

- No data available.
- Hazardous combustion products: 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

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

6.2 Environmental precautions

- Avoid release to the environment. Prevent entry into drains, surface water, and soil.

6.3 Methods and material for containment and cleaning up

- For small spills: Sweep up or collect without generating dust. Place in a suitable, labeled container for disposal.
- For large spills: Contain spill. Collect mechanically. Clean spill area with suitable methods while minimizing dust generation.

6.4 Reference to other sections

- Disposal considerations: see Section 13. Exposure controls/PPE: see Section 8.

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.
- Avoid formation of dust and aerosols.
- Avoid contact with skin, eyes, and clothing.
- Provide adequate ventilation; use local exhaust where appropriate.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- API / laboratory and research use. No further information 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: Not available.

8.2 Exposure controls

- Engineering controls: Provide adequate general ventilation. Use local exhaust ventilation where dust or aerosols may be generated.
- Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not specified). Protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate or dust/aerosols are generated, use a suitable particulate respirator in accordance with applicable standards.
- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands after handling.

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

Property	Value
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

- Avoid excessive heat. Avoid dust generation.

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

- Not available.

12.7 Other adverse effects

- No data 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.
- Recommended disposal method: Incineration or disposal via a licensed chemical waste contractor, as appropriate.
- Contaminated packaging: Dispose of as unused product unless cleaned in accordance with applicable 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.

Note: Transport classification may vary by mode and jurisdiction; verify with current regulatory requirements and carrier.

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, IECSC, ENCS, AICS): Not available.

15.2 Chemical safety assessment

- Not available.

SECTION 16: Other information

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- Product name: Kirenol
- CAS No.: 52659-56-0
- Catalog No.: CS-O-11843
- 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.

Revision information

- Revision date: Not available.
- SDS version: Not available.

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