

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

Catalogue Number	CS-O-59653
Product Name	Oxychlorthane
CAS No.	27304-13-8
Category	API
Synonyms	(±)-Oxychlorthane Octachlor epoxide Oxychlorthane rel-(1aR,1bS,2R,5S,5aR,6S,6aS)-2,3,4,5,6,6a,7,7-Octachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2H-indeno[1,2-b]oxirene
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:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.

Precautionary Statement(s)

Code	Statement
P264	Wash hands thoroughly after handling.
P270	Not available
P301+P317	Not available
P330	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Oxychlordane

CAS Number : 27304-13-8

Molecular Formula : C₁₀H₄Cl₈O

Molecular Weight : 423.76

Parent Chemical : Oxychlordane

Synonyms : (±)-Oxychlordane

Octachlor epoxide

Oxychlordan

rel-(1aR,1bS,2R,5S,5aR,6S,6aS)-2,3,4,5,6,6a,7,7-Octachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2H-indeno[1,2-b]oxirene

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice: Seek medical attention if symptoms occur or persist. Show this SDS to the physician.

Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and wash before reuse. 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/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 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire (e.g., dry chemical, carbon dioxide, foam, water spray).

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

May decompose under fire conditions to release hazardous gases/vapors. Specific decomposition products: Not available.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust/vapors. 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 waters, and soil.

6.3 Methods and materials for containment and cleaning up

Contain spill. Collect using non-sparking tools and place in a suitable, labeled container for disposal. Avoid generating dust. Clean spill area with suitable method; do not wash to drain.

6.4 Reference to other sections

See Section 8 for exposure controls/personal protection 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. Avoid breathing dust/vapors. Avoid contact with skin, eyes, and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated place. Protect from heat and direct sunlight. Keep away from incompatible materials. Incompatible materials: Not available.

7.3 Specific end use(s)

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 other engineering controls to maintain airborne levels below applicable limits. If limits are not established, minimize exposure.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not available). Wear protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate or dust/vapor is generated, use a NIOSH/EN-approved respirator appropriate for the exposure (type not available).
- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands after handling.

Environmental exposure controls: Avoid environmental release; use appropriate containment.

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

Property	Value
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

SECTION 10: Stability and reactivity

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

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: Organochlorines are CNS stimulators that produce apprehension, excitability, paresthesias, dizziness, headache, disorientation, and tremor progressing to stupor, coma, and convulsions in severe cases. Organochlorines may enhance myocardial irritability, leading to cardiac dysrhythmias after heavy exposures. Serious complications involve seizures with resultant hypoxemia, severe metabolic acidosis, and death. Intoxication from acute oral exposures generally begins within 45 minutes to several hours. Subacute toxicity has been reported after the extensive and careless use of chlordane over several weeks. Symptoms included paresthesias, anorexia, nausea, fatigue, and malaise. /Organochlorines/ For more Human Toxicity Excerpts (Complete) data for OXYCHLORDANE (11 total), please visit the HSDB record page.

- 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: RESULTS OF CHRONIC FEEDING OF CYCLODIENES TO LABORATORY ANIMALS ARE EXTRAORDINARILY SEVERE, & TRUE NO-ADVERSE-EFFECT DOSAGES HAVE NEVER BEEN DETERMINED FOR SOME COMPOUNDS, SUCH AS ... CHLORDANE. TOXICOLOGICAL EVALUATION IS COMPLICATED BY IN VIVO CONVERSION OF CYCLODIENES TO EPOXIDES BY MICROSOMAL OXIDN ... & CHLORDANE ISOMERS TO OXYCHLORDANE. ... CHLORDANE FED TO RATS AT 2.5 PPM CAUSED SLIGHT LIVER DAMAGE.
- Aspiration hazard: No data available.

Likely routes of exposure

- Clinical manifestations following ingestion include apprehension, agitation, vomiting, gastrointestinal upset, abdominal pain, and CNS depression. Convulsions may occur at higher doses and may be preceded by symptoms of ataxia, muscle spasms, and fasciculations. /Chlorinated hydrocarbon insecticides/

Symptoms related to the physical, chemical and toxicological characteristics

- Organochlorines are CNS stimulators that produce apprehension, excitability, paresthesias, dizziness, headache, disorientation, and tremor progressing to stupor, coma, and convulsions in severe cases. Organochlorines may enhance myocardial irritability, leading to cardiac dysrhythmias after heavy exposures. Serious complications involve seizures with resultant hypoxemia, severe metabolic acidosis, and death. Intoxication from acute oral exposures generally begins within 45 minutes to several hours. Subacute toxicity has been reported after the extensive and careless use of chlordane over several weeks. Symptoms included paresthesias, anorexia, nausea, fatigue, and malaise. /Organochlorines/

SECTION 12: Ecological information

SECTION 12: Ecological information

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 or the environment.

Waste classification: Not available.

Contaminated packaging: Dispose of as unused product unless cleaned according to applicable regulations.

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 Transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

SECTION 15: Regulatory information

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

SECTION 16: Other information

Product name: Oxychlordane

Catalog no.: CS-O-59653

CAS no.: 27304-13-8

Synonyms: (\pm)-Oxychlordane; Octachlor epoxide; Oxychlordan; rel-(1aR,1bS,2R,5S,5aR,6S,6aS)-2,3,4,5,6,6a,7,7-Octachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2H-indeno[1,2-b]oxirene

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Disclaimer: The information provided is based on available product identification details and is intended for SDS-style guidance. No warranty is expressed or implied. Users are responsible for compliance with applicable laws and regulations.

DISCLAIMER

This MSDS is system-generated. Please verify and confirm all data, statements, and values with the Support Team before use or distribution.