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

Catalogue Number	CS-T-12126
Product Name	Chloroneb
CAS No.	2675-77-6
Category	Pesticide Standards
Synonyms	1,4-dichloro-2,5-dimethoxybenzene
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
H411	Toxic to aquatic life with long lasting effects.
H401	Not available

Precautionary Statement(s)

Code	Statement
P273	Not available
P391	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 : Chloroneb
CAS Number : 2675-77-6
Molecular Formula : C8H8Cl2O2
Molecular Weight : 207.05
Parent Chemical : -
Synonyms : 1,4-dichloro-2,5-dimethoxybenzene
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 persist or develop.
- Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of soap and water. Get medical attention if irritation occurs.
- 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. 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: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO2).
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture
- Hazardous combustion products: May include hydrogen chloride (HCl), carbon oxides, and other irritating/toxic fumes. No data available for complete decomposition products.

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

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
- Avoid dust formation and breathing dust.
- Provide adequate ventilation.
- 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, or soil.

6.3 Methods and material for containment and cleaning up
- Collect spilled material using methods that minimize dust generation.
- Place in a suitable, closed container for disposal.
- Clean contaminated area with appropriate cleaning methods. Do not flush 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
- Avoid contact with skin and eyes.
- Avoid breathing dust.
- Use with adequate ventilation.
- Wash hands thoroughly after handling.
- Keep away from incompatible materials (see Section 10).

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. Keep container closed when not in use.
- Incompatibilities: Not available.

7.3 Specific end use(s)
- Pesticide standard / laboratory use. Not for food, drug, or household use.

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 minimize airborne concentrations.

- Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not specified). Wear protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate or dust is 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. Remove contaminated clothing and wash before reuse.
- Environmental exposure controls: Avoid release to the environment; 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
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

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
- Excessive heat. Dust generation. Other conditions: Not available.

10.5 Incompatible materials
- Not available.

10.6 Hazardous decomposition products
- May include hydrogen chloride and carbon oxides under fire conditions. No data available for complete decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: /LABORATORY ANIMALS: Acute Exposure/ In acute percutaneous trials lowest dose causing fatality for rabbits >5000 mg/kg; a 50% aqueous suspension of the wettable powder caused no irritation to skin of guinea pigs, repeated applications did not result in skin sensitization. /LABORATORY ANIMALS: Developmental or Reproductive Toxicity/ Chloroneb, 90% purity suspension in aqueous Methocel administered at 0, 300, 1000, and 3500 mg/kg/day by gavage in Crl: COBS CD(SD)BR rats. No developmental toxicity observed. Maternal toxicity NOEL <300 mg/kg/day (salivation significantly increased at 1000 and 3500 mg/kg/day, stained abdominal fur at 3500 mg/kg/day).
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: /LABORATORY ANIMALS: Acute Exposure/ In acute percutaneous trials lowest dose causing fatality for rabbits >5000 mg/kg; a 50% aqueous suspension of the wettable powder caused no irritation to skin of guinea pigs, repeated applications did not result in skin sensitization.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: Cancer Classification: Data are Inadequate for an Assessment of Carcinogenic Potential /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ In 2 yr feeding trials in rats growth and food

consumption were reduced at 2500 mg/kg diet... .
- Reproductive toxicity: /LABORATORY ANIMALS: Developmental or Reproductive Toxicity/ Chloroneb, 90% purity suspension in aqueous Methocel administered at 0, 300, 1000, and 3500 mg/kg/day by gavage in Crl: COBS CD(SD)BR rats. No developmental toxicity observed. Maternal toxicity NOEL <300 mg/kg/day (salivation significantly increased at 1000 and 3500 mg/kg/day, stained abdominal fur at 3500 mg/kg/day). /LABORATORY ANIMALS: Developmental or Reproductive Toxicity/ Technical chloroneb, 91.8% pure in 0.5% methyl cellulose was administered by gavage to groups of 16 inseminated New Zealand White rabbits at 0, 10, 100 or 1000 mg/kg/day on days 7-19 of gestation. Possible adverse effects: Developmental toxicity (increased skeletal anomalies, increased ventral midline anomalies, and decreased fetal weight.). Developmental NOEL= 100 mg/kg/day, maternal NOEL= 100 mg/kg/dy (marginal decreased body weight and late onset post treatment anorexia).
- STOT-single exposure: No data available.
- STOT-repeated exposure: /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ In 2 yr feeding trials in rats growth and food consumption were reduced at 2500 mg/kg diet... .
- Aspiration hazard: No data available.

Likely routes of exposure
- No data available.

Symptoms related to the physical, chemical and toxicological characteristics
- /LABORATORY ANIMALS: Developmental or Reproductive Toxicity/ Technical chloroneb, 91.8% pure in 0.5% methyl cellulose was administered by gavage to groups of 16 inseminated New Zealand White rabbits at 0, 10, 100 or 1000 mg/kg/day on days 7-19 of gestation. Possible adverse effects: Developmental toxicity (increased skeletal anomalies, increased ventral midline anomalies, and decreased fetal weight.). Developmental NOEL= 100 mg/kg/day, maternal NOEL= 100 mg/kg/dy (marginal decreased body weight and late onset post treatment anorexia).

SECTION 12: Ecological information

SECTION 12: Ecological information

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.
- Incineration or disposal via a licensed waste contractor may be appropriate. Specific methods: Not available.
- Contaminated packaging: Dispose of as unused product unless cleaned according to applicable regulations.

SECTION 14: Transport information

SECTION 14: Transport information

- 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.

SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Regulatory status: Not available.
- Chemical inventories (e.g., TSCA/REACH/DSL/ENCS/AICS/IECSC): Not available.

15.2 Chemical safety assessment
- Not available.

SECTION 16: Other information

SECTION 16: Other information

- Product name: Chloroneb
- CAS No.: 2675-77-6
- Synonyms: 1,4-dichloro-2,5-dimethoxybenzene
- 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-format guidance. No warranty is expressed or implied. Users are responsible for ensuring compliance with applicable laws and determining suitability for a particular purpose.

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