

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

Catalogue Number	CS-DL-00639
Product Name	2-Chloronaphthalene
CAS No.	91-58-7
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:

Skin irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	Not available

H411	Toxic to aquatic life with long lasting effects.
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Precautionary Statement(s)

Code	Statement
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P271	Use only outdoors or in a well-ventilated area.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : 2-Chloronaphthalene

CAS Number : 91-58-7

Molecular Formula : Not available

Molecular Weight : Not available

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: Remove contaminated clothing and shoes. Seek medical attention if symptoms persist or are severe. Show this SDS to medical personnel.
- Inhalation: Move person to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of soap and water. Seek 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. Do NOT induce vomiting unless directed by medical personnel. Seek 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

- Combustion may produce irritating and/or toxic fumes/gases (e.g., hydrogen chloride, carbon oxides, chlorinated organic compounds). Exact decomposition products depend on fire conditions.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- 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

- Evacuate unnecessary personnel. Ensure adequate ventilation.
- Avoid breathing vapors/mists and avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

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

- Contain spill. Absorb with inert material (e.g., sand, earth, vermiculite).

- Collect into suitable, labeled containers for disposal.
- Clean contaminated area with suitable cleaning method; avoid generating aerosols.

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.
- Use only with adequate ventilation (preferably local exhaust).
- Avoid breathing vapors/mists. Avoid contact with skin, eyes, and clothing.
- Keep away from heat, sparks, open flames, and hot surfaces.
- 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 moisture and direct sunlight.
- Keep away from incompatible materials.
- Incompatible materials: Strong oxidizing agents. Additional incompatibilities: Not available.

7.3 Specific end use(s)

- Laboratory/research use. Not available for other specific uses.

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: Provide adequate general ventilation. Use local exhaust where vapors/mists may be generated.
- Personal protective equipment (PPE):
 - Eye/face protection: Safety glasses with side shields or chemical splash goggles.
 - Skin protection: Wear protective gloves (material selection dependent on use conditions; no data available for specific breakthrough times). Wear protective clothing as needed.
 - Respiratory protection: If ventilation is inadequate or exposure is possible, use an appropriate NIOSH/EN-approved respirator suitable for organic vapors/particulates as applicable.
- 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; 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
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

- Hazardous polymerization: Not available.

10.4 Conditions to avoid

- Heat, flames, sparks, and other ignition sources. Additional conditions: Not available.

10.5 Incompatible materials

- Strong oxidizing agents. Additional incompatibilities: Not available.

10.6 Hazardous decomposition products

- Hydrogen chloride, carbon oxides, and chlorinated organic compounds. Additional decomposition products: Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Chlorinated naphthalenes can be absorbed via oral, inhalative and dermal routes; when used in poorly ventilated areas and especially when heat is applied, there may be significant systemic absorption of toxic vapors. Target organ is primarily the liver; cases of fatal acute yellow atrophy of the liver have been reported. Severe skin reactions (chloracne) and liver disease have been reported after occupational exposure.
- Skin corrosion/irritation: All chlorinated naphthalenes tested cause skin irritations in laboratory animals. Severe skin reactions (chloracne) have been reported after occupational exposure.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: 1-Monochloronaphthalene was not mutagenic in the Salmonella Ames test.
- Carcinogenicity: Inadequate information to assess carcinogenic potential. Long term and carcinogenicity studies with chlorinated naphthalenes have not been performed. A cohort study reported mortality from all cancers slightly but significantly elevated among all exposed men (standardized mortality ratio = 1.18); subcohort with chloracne showed statistically significant excess mortality from cancer of the esophagus and from benign and unspecified neoplasms.
- Reproductive toxicity: No data available.
- STOT-single exposure: When used in poorly ventilated areas and especially when heat is applied, there may be significant systemic absorption of toxic vapors. Target organ is primarily the liver; cases of fatal acute yellow atrophy of the liver have been reported.
- STOT-repeated exposure: CD-1 mice administered oral gavage dosages of 0, 100, 250, or 600 mg/kg/day beta-chloronaphthalene in corn oil for 13 weeks showed increased absolute and relative liver and gall bladder weights in both sexes at the high-dose level, accompanied by centrilobular hepatocellular enlargement. Clinical signs in high-dose animals included dyspnea, rough hair coat, and languid, thin, hunched appearance. The LOAEL was identified as 600 mg/kg/day and the NOAEL was 250 mg/kg/day.
- Aspiration hazard: No data available.

Likely routes of exposure

- Absorption through vapor inhalation; chlorinated naphthalenes can be absorbed via oral, inhalative and dermal routes.

Symptoms related to the physical, chemical and toxicological characteristics

- Irritation of the eyes, fatigue, headache, anemia, hematuria, impotency, anorexia, vomiting and severe abdominal pain; digestive disturbances, irritation of eyes, impotence and hematuria; severe skin reactions (chloracne); liver

disease.

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

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 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.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulatory listings/status: Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Product name: 2-Chloronaphthalene
- Catalog No.: CS-DL-00639
- CAS No.: 91-58-7
- 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.
- Version: Not available.

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