

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

Catalogue Number	CS-M-01970
Product Name	1,2-Dibromo-3-chloropropane
CAS No.	96-12-8
Category	Fine Chemicals
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)
- Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H301	Not available
H340	Not available

H350	Not available
H373	Not available
H412	Not available
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Not available
H360	Not available
H402	Not available
H227	Not available
H320	Not available
H335	Not available
H351	Not available
H372	Not available

Precautionary Statement(s)

Code	Statement
P203	Not available
P260	Not available
P264	Wash hands thoroughly after handling.
P270	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	Not available
P318	Not available
P319	Get medical help if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

P264+P265	Not available
P271	Use only outdoors or in a well-ventilated area.
P284	Not available
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.
P316	Not available
P317	Not available
P320	Not available
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.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P210	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P370+P378	Not available
P403	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : 1,2-Dibromo-3-chloropropane

CAS Number : 96-12-8

Molecular Formula : Not available

Molecular Weight : Not available

Parent Chemical : Not available

Synonyms : Not available

Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

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

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: The initial metabolism of 1,2-dibromo-3-chloropropane to reactive epoxide metabolites that bind to DNA and other macromolecules may be responsible for its hepatotoxicity and nephrotoxicity. The mechanism of 1,2-dibromo-3-chloropropane's testicular toxicity is believed to be due to either the inhibition of sperm carbohydrate metabolism, probably at the step of nicotinamide adenine dinucleotide (NADH) dehydrogenase activity in the mitochondrial electron transport chain, or direct DNA damage caused by its metabolites. (L125, A13) LC50 (rat) = 103 ppm/8H
- 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: Likely to be carcinogenic to humans Cancer Classification: Group B2 Probable Human Carcinogen
- Reproductive toxicity: Breathing high levels of 1,2-dibromo-3-chloropropane causes reproductive damage, including reduced sperm counts, birth defects, and infertility. It may also damage the stomach, liver, kidneys, brain, spleen, blood, and lungs, and cause skin and eye damage from direct contact. (L125) SIX WORKERS IN 1,2-DIBROMO-3-CHLOROPROPANE FACTORY WERE EXAMINED. AZOOSPERMIA DIAGNOSED IN EACH. THE PRESENTING SYMPTOM IN 2 PATIENTS WAS INFERTILITY, & A DECR LIBIDO OR IMPOTENCE IN THE OTHER PATIENTS. ELEVATED PLASMA FOLLICLE-STIMULATING HORMONE LEVELS WERE DEMONSTRATED.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- LD50: 100 mg/kg (Oral, Rabbit) (T25) LC50: 1480 mg/m³ over 1 hour (Inhalation, Rat) (T25)

Symptoms related to the physical, chemical and toxicological characteristics

- Symptoms of 1,2-dibromo-3-chloropropane exposure include headaches, nausea, lightheadedness, and weakness. (L125)

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

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