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

Catalogue Number	CS-O-11063
Product Name	Antimony (III) Chloride
CAS No.	10025-91-9
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
H314	Not available
H411	Toxic to aquatic life with long lasting effects.

H318	Causes serious eye damage.
H350	Not available
H401	Not available
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H341	Not available
H371	Not available
H372	Not available
H402	Not available
H412	Not available
H361	Not available

Precautionary Statement(s)

Code	Statement
P260	Not available
P264	Wash hands thoroughly after handling.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	Not available
P302+P361+P354	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P316	Not available
P321	Specific treatment (see … on this label).
P363	Not available
P391	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio
P264+P265	Not available

P317	Not available
P203	Not available
P318	Not available
P270	Not available
P301+P317	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if presen
P308+P316	Not available
P319	Get medical help if you feel unwell.
P330	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.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Antimony (III) Chloride
CAS Number : 10025-91-9
Molecular Formula : C22H23Cl4N2O8Sb
Molecular Weight : 707
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
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

Property	Value
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: Acute respiratory exposure to antimony trichloride (76 mg/cu m) produced irritation and soreness of the upper respiratory tract in several workers; large exposures result in severe air-passage irritation. Ingestion causes vomiting, purging with bloody stools, slow pulse, and low blood pressure, slow, shallow breathing, coma, and convulsions sometimes followed by death. In rats given orally 135 mg/kg for 10 days toxic symptoms included myocardial degeneration from which two rats died during treatment.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: Severe burns of cornea caused by exposure to high concentration of vapor, and destruction of cornea and conjunctiva has resulted from contact with solution of antimony trichloride in hydrochloric acid. Contact with eyes causes severe eye burns or at least severe eye irritation.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: Apoptosis and DNA fragmentation was not found in human cells immediately following a 4-hr $SbCl_3$ treatment. DNA fragmentation was detected in CHO-K1 cells after a 4-hr $SbCl_3$ treatment. In mice, chromosomal aberrations were principally breaks and damaged cells observed from bone marrow preparations.
- Carcinogenicity: Inadequate information to assess carcinogenic potential.
- Reproductive toxicity: Prenatal and/or postnatal exposure to antimony trichloride interfered with vasomotor reactivity development in rats. Antimony exposure decreased maternal and pup body weight; no macroscopic teratogenic effects have been observed.
- STOT-single exposure: No data available.
- STOT-repeated exposure: Dermal exposure to antimony can cause antimony spots (papules and pustules around sweat and sebaceous glands). Antimony poisoning can also lead to pneumoconiosis; alterations in pulmonary function and other effects including chronic bronchitis, chronic emphysema, inactive tuberculosis, pleural adhesions, and irritation can result from inhalation of antimony. Increased blood pressure can also result from antimony poisoning. Myocardial depression, vasodilation and fluid loss may cause shock with hypotension, electrolyte disturbances and acute renal failure. Cerebral oedema, coma, convulsions, and death are possible. Trivalent antimony chloride was given per os to rats for 10 days at a dose of 135 mg/kg; toxic symptoms included myocardial degeneration from which two rats died during treatment.
- Aspiration hazard: No data available.

Likely routes of exposure
- Inhalation; eye contact.

Symptoms related to the physical, chemical and toxicological characteristics

- Irritation and soreness of the upper respiratory tract; severe air-passage irritation; severe eye burns or severe eye irritation; vomiting; purging with bloody stools; slow pulse; low blood pressure; slow, shallow breathing; coma; convulsions; deep chemical burns from contact of dry chemical with skin; myocardial degeneration.

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

DISCLAIMER

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