

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

Catalogue Number	CS-T-32042
Product Name	3-Mercaptopropionic Acid
CAS No.	107-96-0
Category	Fine Chemicals
Synonyms	3-Mercaptopropionic Acid
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
H290	Not available
H301	Not available
H311	Not available
H314	Not available

H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	Not available
H370	Not available

Precautionary Statement(s)

Code	Statement
P234	Not available
P260	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Not available
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	Not available
P301+P330+P331	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
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
P317	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P361+P364	Not available
P363	Not available
P390	Not available
P405	Store locked up.

P406	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P308+P316	Not available
P319	Get medical help if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : 3-Mercaptopropionic Acid

CAS Number : 107-96-0

Molecular Formula : $C_3H_5O_2S$

Molecular Weight : 106.14

Parent Chemical : Mercaptopropionic Acid

Synonyms : 3-Mercaptopropionic Acid

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	Colourless viscous liquid
IR spectrum	No data available
pH	No data available
Solubility	In DMSO

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

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: THE ORAL LD50 IN RATS OF THE UNDILUTED LIQUID WAS 50-400 MG/KG. THE SYMPTOMS WERE SIMILAR TO THIOGLYCOLIC ACID--WEAKNESS & CONVULSIONS. DEATHS OCCURRED WITHIN 30 MIN AFTER DOSING.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: ...EFFECTS OF LARGE NUMBER OF MERCAPTO ACIDS...ON SKIN OF...HUMANS. THE BETA-FORM DID NOT SENSITIZE HUMAN SUBJECTS, ALTHOUGH THE ALPHA-ISOMER GAVE AN INCIDENCE OF 10% SENSITIZATION. LIQUID APPEARS TO BE ABSORBED DIRECTLY THROUGH THE GUINEA PIG SKIN WITH DEATHS FROM AS LOW AS 5 ML/KG. SEVERE DELAYED ESCHAR FORMATION WAS NOTED. A 10% SOLN IN WATER APPLIED AS COMPRESS TO GUINEA PIG SKIN ALSO PRODUCES SEVERE DAMAGE & ESCHARS. NO DEATHS WERE PRODUCED AT THIS CONCN. IT IS NOT A SKIN SENSITIZER IN GUINEA PIG.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- ...EFFECTS OF LARGE NUMBER OF MERCAPTO ACIDS...ON SKIN OF...HUMANS. THE BETA-FORM DID NOT SENSITIZE HUMAN SUBJECTS, ALTHOUGH THE ALPHA-ISOMER GAVE AN INCIDENCE OF 10% SENSITIZATION.

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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