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

Catalogue Number	CS-ED-41994
Product Name	Pentyl mercaptan
CAS No.	110-66-7
Category	Fine Chemicals
Synonyms	Thioamyl alcohol
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
H225	Not available
H302	Harmful if swallowed.
H332	Harmful if inhaled.

Precautionary Statement(s)

Code	Statement
P210	Not available
P233	Not available
P240	Not available
P241	Not available
P242	Not available
P243	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P303+P361+P353	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P317	Not available
P330	Not available
P370+P378	Not available
P403+P235	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Pentyl mercaptan
CAS Number : 110-66-7
Molecular Formula : C5H12S
Molecular Weight : 104.22
Parent Chemical : -
Synonyms : Thioamyl alcohol
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

Property	Value
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: /LABORATORY ANIMALS: Acute Exposure/ A range-finding study found inhalation of 2000 ppm for 4 hr killed two to four rats out of six exposed. /LABORATORY ANIMALS: Acute Exposure/ /A study in rats/ produced stomach ulcers and adrenal gland damage with n-pentyl mercaptan at dosages that cause 70-100% mortality in 5 days.
- Skin corrosion/irritation: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. IDENTIFICATION AND USE: Amyl mercaptan is a liquid. It is used as an intermediate in the synthesis of organic sulfur compounds and as a synthetic flavoring agent. It is the chief constituent of the odorant used in gas lines to locate leaks. HUMAN STUDIES: Potential symptoms of overexposure include headache, nausea, dizziness, vomiting, diarrhea, dermatitis, skin sensitization, and irritation of eyes, skin, nose, throat, and respiratory system. ANIMAL STUDIES: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. A range-finding study found inhalation of 2000 ppm for 4 hr killed two to four rats out of six exposed. In rats, amyl mercaptan produced stomach ulcers and adrenal gland damage at dosages that cause 70-100% mortality in 5 days.
- Serious eye damage/eye irritation: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. IDENTIFICATION AND USE: Amyl mercaptan is a liquid. It is used as an intermediate in the synthesis of organic sulfur compounds and as a synthetic flavoring agent. It is the chief constituent of the odorant used in gas lines to locate leaks. HUMAN STUDIES: Potential symptoms of overexposure include headache, nausea, dizziness, vomiting, diarrhea, dermatitis, skin sensitization, and irritation of eyes, skin, nose, throat, and respiratory system. ANIMAL STUDIES: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. A range-finding study found inhalation of 2000 ppm for 4 hr killed two to four rats out of six exposed. In rats, amyl mercaptan produced stomach ulcers and adrenal

gland damage at dosages that cause 70-100% mortality in 5 days.
- Respiratory or skin sensitization: IDENTIFICATION AND USE: Amyl mercaptan is a liquid. It is used as an intermediate in the synthesis of organic sulfur compounds and as a synthetic flavoring agent. It is the chief constituent of the odorant used in gas lines to locate leaks. HUMAN STUDIES: Potential symptoms of overexposure include headache, nausea, dizziness, vomiting, diarrhea, dermatitis, skin sensitization, and irritation of eyes, skin, nose, throat, and respiratory system. ANIMAL STUDIES: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. A range-finding study found inhalation of 2000 ppm for 4 hr killed two to four rats out of six exposed. In rats, amyl mercaptan produced stomach ulcers and adrenal gland damage at dosages that cause 70-100% mortality in 5 days. irritation eyes, skin, nose, throat, respiratory system; headache, nausea, dizziness; vomiting, diarrhea; dermatitis, skin sensitization
- 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
- IDENTIFICATION AND USE: Amyl mercaptan is a liquid. It is used as an intermediate in the synthesis of organic sulfur compounds and as a synthetic flavoring agent. It is the chief constituent of the odorant used in gas lines to locate leaks. HUMAN STUDIES: Potential symptoms of overexposure include headache, nausea, dizziness, vomiting, diarrhea, dermatitis, skin sensitization, and irritation of eyes, skin, nose, throat, and respiratory system. ANIMAL STUDIES: No skin irritation was reported in rabbits after a 24 hr exposure, but marked eye irritation in rabbits lasted for 3 days. A range-finding study found inhalation of 2000 ppm for 4 hr killed two to four rats out of six exposed. In rats, amyl mercaptan produced stomach ulcers and adrenal gland damage at dosages that cause 70-100% mortality in 5 days.

Symptoms related to the physical, chemical and toxicological characteristics
- Potential symptoms of overexposure are irritation of eyes, skin, nose, throat, respiratory system ... .

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

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