

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

Catalogue Number	CS-T-63092
Product Name	Thiometon
CAS No.	640-15-3
Category	Pesticide Standards
Synonyms	S-(2-(ethylthio)ethyl) O,O-dimethyl phosphorodithioate
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
H301	Not available
H312	Harmful in contact with skin.
H401	Not available
H411	Toxic to aquatic life with long lasting effects.

H300	Not available
H310	Not available
H316	Not available
H318	Causes serious eye damage.
H370	Not available
H373	Not available

Precautionary Statement(s)

Code	Statement
P264	Wash hands thoroughly after handling.
P270	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P317	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P273	Not available
P391	Not available
P260	Not available
P262	Not available
P264+P265	Not available
P305+P354+P338	Not available
P308+P316	Not available
P316	Not available
P319	Get medical help if you feel unwell.
P332+P317	If skin irritation occurs: Get medical help.

P361+P364	Not available
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SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Thiometon

CAS Number : 640-15-3

Molecular Formula : C6H15O2PS3

Molecular Weight : 246.35

Parent Chemical : -

Synonyms : S-(2-(ethylthio)ethyl) O,O-dimethyl phosphorodithioate

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 occur or persist.
- Provide this Safety Data Sheet 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 or symptoms develop.

Eye contact:

- Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
- Continue rinsing and seek medical attention.

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

- No data 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:

- Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).

Unsuitable extinguishing media:

- No data available.

5.2 Special hazards arising from the substance or mixture

- Combustion may produce hazardous decomposition products.
- No data available on specific decomposition products.

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.
- Avoid breathing dust/vapors/mist. Avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- 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. Collect using non-sparking tools and place in a suitable, labeled container for disposal.
- Clean contaminated area with suitable cleaning methods; avoid generating dust.

6.4 Reference to other sections

- See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only with adequate ventilation.
- Avoid contact with skin, eyes, and clothing. Avoid inhalation of dust/vapors.
- Do not eat, drink, or smoke when using this product.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in original container, tightly closed, in a cool, dry, well-ventilated place.
- Protect from moisture and sources of ignition.
- Keep away from incompatible materials. Specific incompatibilities: No data available.

7.3 Specific end use(s)

- Pesticide standard / laboratory use. No data available for additional specific uses.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

- No data available.

8.2 Exposure controls

Engineering controls:

- Use local exhaust ventilation or general ventilation to minimize exposure.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Wear protective gloves and protective clothing appropriate to the risk of exposure.

Respiratory protection:

- If ventilation is inadequate or exposure is likely, use a suitable respirator in accordance with applicable regulations.

Hygiene measures:

- Remove contaminated clothing and wash before reuse. Wash hands after handling.

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

Property	Value
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

- No data available.

10.4 Conditions to avoid

- Heat, flames, sparks, and other ignition sources. Moisture (if applicable): No data available.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: For more Human Toxicity Excerpts (Complete) data for THIOMETON (16 total), please visit the HSDB record page. For more Non-Human Toxicity Excerpts (Complete) data for THIOMETON (13 total), please visit the HSDB record page.

- Skin corrosion/irritation: Organophosphorus compd can produce dermal irritation but most are weak sensitizers.
/Organophosphate compd/

- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: Organophosphorus cmpd can produce dermal irritation but most are weak sensitizers. /Organophosphate cmpd/
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: The symptoms of chronic poisoning due to organophosphorus pesticides include headache, weakness, feeling of heaviness in head, decline of memory, quick onset of fatigue, disturbed sleep, loss of appetite, & loss of orientation. Psychic disorders, nystagmus, trembling of the hands & other nervous system disorders can be observed in certain cases. Sometimes neuritis, paresis & paralysis develop. /Organophosphorus pesticides/
- Aspiration hazard: No data available.

Likely routes of exposure

- Avoid contact with skin and eyes and inhalation of spray mists.

Symptoms related to the physical, chemical and toxicological characteristics

- The symptoms of chronic poisoning due to organophosphorus pesticides include headache, weakness, feeling of heaviness in head, decline of memory, quick onset of fatigue, disturbed sleep, loss of appetite, & loss of orientation. Psychic disorders, nystagmus, trembling of the hands & other nervous system disorders can be observed in certain cases. Sometimes neuritis, paresis & paralysis develop. /Organophosphorus pesticides/

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

- No data available.

12.6 Endocrine disrupting properties

- No data available.

12.7 Other adverse effects

- No data available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.

Contaminated packaging:

- Dispose of as unused product in accordance with applicable regulations.

Waste code:

- Not available.

SECTION 14: Transport information

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14.1 UN number

- Not available.

14.2 UN proper shipping name

- Not available.

14.3 Transport hazard class(es)

- Not available.

14.4 Packing group

- Not available.

14.5 Environmental hazards

- Not available.

14.6 Special precautions for user

- Not available.

14.7 Maritime 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

- No data available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- CAS No.: 640-15-3
- Synonyms: S-(2-(ethylthio)ethyl) O,O-dimethyl phosphorodithioate

- Catalog No.: CS-T-63092
- Category: Pesticide Standards
- Molecular weight: 246.35

Supplier:

- Clearsynth Labs Ltd., Mumbai, India

Emergency telephone:

- +91-22-245045900

Revision information:

- No data available.

Disclaimer:

- The information provided is believed to be accurate based on available data; however, no warranty is expressed or implied. Users are responsible for determining suitability for their particular application and for compliance with applicable laws and regulations.

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