

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

Catalogue Number	CS-T-84251
Product Name	Phosfolan
CAS No.	947-02-4
Category	Pesticide Standards
Synonyms	diethyl (1,3-dithiolan-2-ylidene)phosphoramidate
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:

Not available

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H300	Not available
H310	Not available

Precautionary Statement(s)

Code	Statement
P262	Not available
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.
P316	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P361+P364	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Phosfolan

CAS Number : 947-02-4

Molecular Formula : C7H14NO3PS2

Molecular Weight : 255.29

Parent Chemical : -

Synonyms : diethyl (1,3-dithiolan-2-ylidene)phosphoramidate

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: For more Non-Human Toxicity Excerpts (Complete) data for CYOLANE (7 total), please visit the HSDB record page. LD50 CHICKEN ORAL 5.2 MG/KG
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: Symptomatology: 1. Nausea ... vomiting, abdominal cramps, diarrhea, excessive salivation ... 2. Headache, giddiness, vertigo & weakness. 3. Rhinorrhea & sensation of tightness in chest are common in inhalation exposure. 4. Blurring or dimness of vision, miosis ... Tearing, ciliary muscle spasm, loss of accommodation & ocular pain ... Mydriasis ... sometimes seen ... probably due to sympatho-adrenal discharge. 5. Bradycardia or tachycardia. Varying degrees of AV heart block are described, as well as atrial arrhythmias. 6. Loss of muscle coordination, slurring of speech, fasciculations & twitching of muscles (particularly of tongue & eyelids, & generalized profound weakness. 7. Mental confusion, disorientation & drowsiness. 8. Difficulty in breathing, excessive secretion of saliva & of resp tract mucus, oronasal frothing, cyanosis, pulmonary rales & rhonchi & hypertension (presumably due to asphyxia). 9. Random jerky movements, incontinence, convulsions, & coma. 10. Death primarily due to resp arrest arising from failure of resp center, paralysis of resp muscles, intense bronchoconstriction or all three. /Parathion/
- Respiratory or skin sensitization: No data available.
- 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

- Symptomatology: 1. Nausea ... vomiting, abdominal cramps, diarrhea, excessive salivation ... 2. Headache, giddiness, vertigo & weakness. 3. Rhinorrhea & sensation of tightness in chest are common in inhalation exposure. 4. Blurring or dimness of vision, miosis ... Tearing, ciliary muscle spasm, loss of accommodation & ocular pain ... Mydriasis ... sometimes seen ... probably due to sympatho-adrenal discharge. 5. Bradycardia or tachycardia. Varying degrees of AV heart block are described, as well as atrial arrhythmias. 6. Loss of muscle coordination, slurring of speech, fasciculations & twitching of muscles (particularly of tongue & eyelids, & generalized profound weakness. 7. Mental confusion, disorientation & drowsiness. 8. Difficulty in breathing, excessive secretion of saliva & of resp tract mucus, oronasal frothing, cyanosis, pulmonary rales & rhonchi & hypertension (presumably due to asphyxia). 9. Random jerky movements, incontinence, convulsions, & coma. 10. Death primarily due to resp arrest arising from failure of resp center, paralysis of resp muscles, intense bronchoconstriction or all three. /Parathion/

Symptoms related to the physical, chemical and toxicological characteristics

- Symptomatology: 1. Nausea ... vomiting, abdominal cramps, diarrhea, excessive salivation ... 2. Headache, giddiness, vertigo & weakness. 3. Rhinorrhea & sensation of tightness in chest are common in inhalation exposure. 4. Blurring or dimness of vision, miosis ... Tearing, ciliary muscle spasm, loss of accommodation & ocular pain ... Mydriasis ... sometimes seen ... probably due to sympatho-adrenal discharge. 5. Bradycardia or tachycardia. Varying degrees of AV heart block are described, as well as atrial arrhythmias. 6. Loss of muscle coordination, slurring of speech, fasciculations & twitching of muscles (particularly of tongue & eyelids, & generalized profound weakness. 7. Mental confusion, disorientation & drowsiness. 8. Difficulty in breathing, excessive secretion of saliva & of resp tract mucus, oronasal frothing, cyanosis, pulmonary rales & rhonchi & hypertension (presumably due to asphyxia). 9. Random jerky movements, incontinence, convulsions, & coma. 10. Death primarily due to resp arrest arising from failure of resp center, paralysis of resp muscles, intense bronchoconstriction or all three. /Parathion/

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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