



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

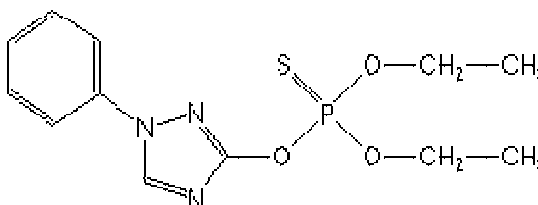
1. Chemical Product and company Identification

Product Name: Triazophos

Molecular Formula: C₁₂H₁₆N₃O₃PS

Molecular Weight: 313.34

Structural Formula:



Chemical Name: o, o-diethyl o-(1-phenyl-1H-1, 2, 4-triazol-3-yl) phosphorothioate

CAS No.: 24017-47-8

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Triazophos	24017-47-8	90.0
Other ingredients		10.0

3. Hazards Identification

Flammable.

Harmful by inhalation and in contact with skin.

Toxic if swallowed.

Risk of serious damage to eyes.

4. First Aid Measures

General information

Remove soiled or soaked clothing immediately.

Seek medical advice immediately.

After inhalation

Move the patient to fresh air and keep at rest.

Do not use mouth-to-mouth or mouth-to-nose resuscitation.

When vapors are intensively inhaled, seek medical advice immediately.

After contact with skin

In case of contact with skin wash off immediately with soap and water.

After contact with eyes

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

Summon a doctor immediately.

After ingestion

Do not induce vomiting.

Seek URGENT medical advice.

5. Fire-Fighting Measures

Suitable extinguishing media

Water mist foam, carbon dioxide, dry powder

Special protective equipment for firefighting

Use self-contained breathing apparatus.

Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental Release Measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapors/dust/aerosol.

Environmental precautions

Do not allow to enter drains or waterways.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, universal binder).

Send in suitable containers for recovery or disposal.

7. Handling and Storage

Handling

Hints on safe handling

Provide exhaust ventilation.

Observe the usual precautions for handling chemicals.

Hints for protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

Store and handle only in the open air or in explosion-proof areas.

Storage

Requirements for storage rooms and vessels

Store in the original container only.

Hints on storage assembly

Do not store together with foodstuffs or animal feedstocks.

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

Protect against moisture.

Protect from direct sunlight.

Protect from warmth.

8. Exposure Controls/Personal Protection

General protective measures

Avoid contact with eyes and skin.

Do not inhale vapors.

Cholinesterase activity of the worker should be supervised.

Hygienic measures

Observe the usual precautions when handling chemicals.

Do not eat, drink or smoke during work time.

Remove soiled clothing immediately.

Clean hands and face at work intervals and after work.

Store work clothing separately.

Respiratory protection: Full mask

Hand protection: Gloves (solvent-resistant)

Eye protection: safety glasses

Skin protection: protective clothing

9. Physical and Chemical Properties

Appearance: yellowish oil liquid;

Melting point : 0-5°C;

Vapor pressure: 0.039m Pa at 25°C

Density 1.25;

Solubility (20 °C), 30-40mg/kg in water;

Soluble in most organic solvents.

10. Stability and Reactivity

Stability: Stable

Conditions to avoid: None

Incompatibility (Materials to avoid): None known

Hazardous decomposition products: Burning may yield Carbon monoxide , carbon dioxide , nitrogen oxide , oxide phosphorus , oxide sulfur.

Hazardous polymerization: will not occur.

11. Toxicological Information

Acute oral LD50, for rats 82 mg/kg. for dogs 320 mg/kg; Acute percutaneous LD50 for rats 1100mg/kg. In 2-year feeding trials rats receiving 1 ppm diet and dogs 0.3 ppm diet only direct effect was inhibition of blood serum cholinesterase. Fish toxicity LC50 (48-h), for crucian 8.4 mg/l. ADI for man 0.002 mg/kg body weight.

12. Ecological Information

Toxicity to fish: LC100 (48h): crucian 8.4mg/L
Carp 1.0mg/L

Toxic to bee

13. Disposal Considerations

Waste Disposal Method

Pesticide Disposal: Pesticides that cannot be used according to label must be disposed of according to applicable Federal, State and local regulations.

Container Disposal: Container may be triple rinsed then offered for recycling or reconditioning, or punctured and disposed of in a sanitary landfill or by other approved State and local procedures.

14. Transport Information

Class: 6.1

UN NO.:3018

Packing group: III

15. Regulatory Information

Safe phrase: Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce

formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.