



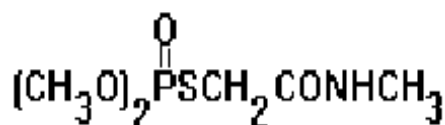
Hangzhou Tianlong Biotechnology Co., Ltd.

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: Omethoate
Molecular Formula: C₅H₁₂NO₄PS
Molecular Weight: 213.19
Structural Formula:



Chemical Name: 0,0-dimethyl s-methylcarbamoylmethyl phosphorothioate
CAS No.: 1113-02-6
Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD
Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020
Tel: 0086-571-87214516
Fax: 0086-571-87079476

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Omethoate	1113-02-6	80.0
Other ingredients		20.0

3. Hazards Identification

Will irritate eyes and skin. Highly flammable.

4. First Aid Measures

Inhalation: Remove patient to fresh air. Keep warm and rested.
Skin contact: If sprayed on skin wash thoroughly.
Eye contact: Irrigate eyes immediately with water for 15 minutes.
Ingestion: If sprayed in mouth give milk or water.
First Aid Facilities: Provide washing facilities in the workplace.

5. Fire-Fighting Measures

Extinguishing media: Water fog (if unavailable fine water spray may be used)

Hazards from Combustion products: If involved in a fire: oxides of nitrogen, phosphorus pentoxide.

Precautions for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures

Should can develop a leak, place outside in the open away from naked flame until the leak stops and can is empty.

7. Handling and Storage

Handling: Keep out of reach of children.

Storage: Store in a dry, well ventilated area as cool as possible. Do not store in direct sunlight as contents are under pressure.

8. Exposure Controls/Personal Protection

Exposure standards: NOHSC exposure standards have not been assigned for the active ingredient in the formulation.

Butane: TWA (mg/cubic metre) STEL (mg/cubic metre) 1900

This exposure standard is for an eight hour day. Use of this product in the home garden is for short periods only and, moreover, the level of exposure would be unlikely to reach this level.

Engineering controls: Not applicable.

Personal Protective Equipment: Avoid contact with eyes and skin. Do not inhale spray mist or vapour. Personal Protective Equipment: none required

Industrial Hygiene: Do not spray directly on humans, exposed food, food utensils or food preparation areas. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

9. Physical and Chemical Properties

Form: Liquid

Color: Brown

Vapor pressure: 3.3mPa at 20°C

Density: 1.32@20°C

Boiling point: 135°C (decompose)

PH: Not available

10. Stability and Reactivity

Chemical stability: Stable under normal conditions of use.

Hazardous polymerisation: Hazardous polymerisation will not occur.

Conditions to avoid: Not available

Incompatible materials: Not available

Hazardous decomposition products: If involved in a fire: oxides of nitrogen, phosphorus pentoxide.

11. Toxicological Information

Acute:

Oral toxicity: LD50 rat: 25-50 mg/kg, i.e. toxic
Dermal toxicity: LD50 rat: 700 mg/kg, i.e. harmful
Inhalation toxicity: LC50 (4 h) rat: 0.3 mg/L (as aerosol)
Skin irritation: Not available
Eye irritation: Not available
Sensitisation: Omethoate is a skin sensitiser

12. Ecological Information

Do not allow chemical, container or spray to get into drains, sewers, streams or ponds. Do NOT spray if bees are feeding on flowering plants. Will kill bees. Cover fish tanks and remove caged birds and pets from treatment area before using.

Fish toxicity:

LC50: 30 mg/L (96 h); golden orfe (*Leuciscus idus melanotus*)

LC50: 9.1 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

Aquatic invertebrate toxicity: EC50: 0.022 mg/L (48 h); *Daphnia magna*

Algae toxicity: IC50: 167.5 mg/L (72 h); green algae (*Scenedesmus subspicatus*)

Bird toxicity: LD50: 79.7 mg/kg; male Japanese quail

LD50: 83.4 mg/kg; female Japanese quail

13. Disposal Considerations

Aerosol can should be completely empty before disposal. Place used can in household rubbish. Do not puncture or incinerate can.

14. Transport Information

UN number: 1950;

Class and Subsidiary Risk: 2 ;

Packing Group: None

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.