



## MATERIAL SAFETY DATA SHEET

### Manufacturer/information service:

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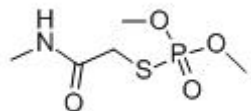
### 1. Chemical Product Identification

Product Name: Omethoate 80% TC

Molecular Formula: C<sub>5</sub>H<sub>12</sub>NO<sub>4</sub>PS

Molecular Weight: 213.2 g/mol

Structural Formula:



Chemical Name: 2-dimethoxyphosphinoylthio-N-methylacetamide

Form: liquid

Color: Brown

Odor: Typical mercaptan odour of the active constituent

CAS No.: 1113-02-6

### 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**

Skin: Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.

Eyes: First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation: Move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

Ingestion: Give glass of water. Get to a doctor.

#### **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: Do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

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.



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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

Odor: Typical mercaptan odour of the active constituent

Melting point: -28°C

Boiling point: 135°C

Flash point: 128°C

Density: 1.32 g/ml at 20°C

Vapour pressure: 19.0 m pa at 25°C

## **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 LD<sub>50</sub> for rats is 50 a.i.mg/kg.

Acute percutaneous LD<sub>50</sub> for rats is 145 a.i.mg/kg.

Acute inhalation toxicity LC<sub>50</sub> (4 h) for rats is 0.3 a.i.mg/l.

Skin irritation: Non-irritating to skin (rabbits).

Eye irritation: Slightly irritating to eyes (rabbits).

Skin sensitization for guinea pig: Not a skin sensitiser.

## **12. Ecological And Ecotoxicological Information**



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Effect on birds: Acute oral LD<sub>50</sub> for Bobwhite quail is 9.9 a.i.mg/kg.

Effect on fish: Acute LC<sub>50</sub> (96 h) for Rainbow trout is 9.1 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC<sub>50</sub> (48 h) for Daphnia magna is 0.022 a.i.mg/l.

Effects on algae: Acute EC<sub>50</sub> (72 h) for Scenedemus subspicatus is 167.5 a.i.mg/l.

Effects on bees: Oral acute (48 h) LD<sub>50</sub> is 0.048 a.i.µg/bee.

Effects on earthworms: Acute 14 day LC<sub>50</sub> is 46 a.i.mg/kg.

### 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

Not applicable

### 15. Regulatory Information

Not applicable

### 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.