

# COLIN CAMPBELL (CHEMICALS) PTY. LTD.

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## MATERIAL SAFETY DATA SHEET FOR CAMPBELL BENTHION 200 SC FLOWABLE INSECTICIDE

Hazardous according to the criteria of Worksafe Australia.

### IDENTIFICATION

<b>Product Name:</b>	<b>CAMPBELL BENTHION 200 FLOWABLE INSECTICIDE</b>
<b>Chemical Name:</b>	0,0-dimethyl S(4-oxo-1,2,3- benzotriazin-3(4H)-yl methyl-phosphorodithioate
<b>Correct Shipping Name:</b>	Pesticides, organophosphate liquid toxic NOS

<b>UN Number:</b>	<b>Poisons Schedule:</b>	<b>Dangerous Goods Class:</b>	<b>Dangerous Goods Subclass:</b>	<b>Packaging Group:</b>	<b>Hazchem Code:</b>
3018	7	6.1	None Allocated	II	2WE

**Use:** Insecticide for the control of various pests on certain fruits.

### PHYSICAL DESCRIPTION AND PROPERTIES

<b>Appearance, Odour and Colour:</b>	Brownish suspension with characteristic odour
<b>Specific Gravity:</b>	1.15 -1.17
<b>Melting Point:</b>	Not established
<b>Solubility (water):</b>	Negligible
<b>Flash Point:</b>	Not flammable
<b>Boiling Point:</b>	Not established
<b>Vapour Pressure:</b>	<1 mPa (20°C) (a.i.)
<b>Vapour Density:</b>	Not established
<b>Percent Volatiles:</b>	Nil
<b>Flammability Limits:</b>	<b>UFL:</b> Not established
	<b>LFL:</b> Not established
<b>Autoignition Temperature:</b>	Not established
<b>pH:</b>	5 - 7.5

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FLOWABLE INSECTICIDE**

**INGREDIENTS**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Proportion</b>
Azinphos-methyl	86-50-0	200g/L

**HEALTH HAZARD INFORMATION**

**HEALTH EFFECTS:**

Non-carcinogenic, non teratogenic, non-mutagenic reproductive or post-natal hazard in laboratory animals.

**Swallowed:**

Very toxic if swallowed. Oral LD (rats) , male 22mg/kg Female 13mg/kg.

**Eyes:**

Non – irritant

**Skin:**

Low percutaneous toxicity (absorption). Non-irritant to rabbit skin; but caused delayed contact hypersensitivity in guinea pigs. Dermal LD (rabbits); >2470mg/kg. Skin irritation may be aggravated in persons with existing skin lesions.

**Inhaled:**

Harmful if inhaled. Breathing of vapour or sprays (mists) may aggravate acute or chronic asthma or fibrotic pulmonary disease.

**FIRST AID**

**Swallowed:**

Do not attempt to give anything by mouth to an unconscious person. If the patient is conscious and alert, give 2-3 glasses of water or milk to drink. Avoid alcohol. If ingestion is suspected, contact physician or Poisons Information Centre immediately. Seek medical assistance as soon as possible.

**Eyes:**

Hold eyelids open and flush with copious amounts of water for 15 minutes. Get medical attention if irritation develops or persists after flushing.

**Skin:**

Remove contaminated clothing. Wash affected areas immediately with soap and water. Get medical attention if irritation develops and persists. If signs of intoxication (poisoning) occur get medical attention immediately.

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FLOWABLE INSECTICIDE**

**FIRST AID** (continued)

**Inhaled:**

First remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration preferably mouth to mouth. Get medical attention as soon as possible.

**ADVICE TO DOCTOR:**

Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point to tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. The compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

**PRECAUTIONS FOR USE**

**EXPOSURE LIMITS:**

Repeated exposure may lead to contact dermatitis. azinphos-methyl is a toxic chemical inhibiting the enzyme cholinesterase. Excessive exposure can produce muscular tremors, uncontrolled mucous secretion, convulsion and coma.

Azinphos-methyl - OSHA-PEL 0.2 mg/m<sup>3</sup>  
ACGIH-TLV 0.2 mg/m<sup>3</sup>

**VENTILATION:**

Local exhaust ventilation, when necessary.

**PERSONAL PROTECTION:**

Chemical-resistant gloves. Face shield goggles. Protective clothing.

**FLAMMABILITY:**

Use carbon dioxide or dry chemical for small fires. Use water spray or alcohol type foam for large fires. Wear protective clothing and use self-contained breathing apparatus. Dike area to prevent runoff and contamination of water sources. Thermal decomposition products may be hazardous. Keep out of smoke, cool exposed containers with water and spray.

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FLOWABLE INSECTICIDE**

**SAFE HANDLING INFORMATION**

**STORAGE AND TRANSPORT:**

Do not ingest. Avoid exposure by inhalation. Do not get in eyes. Avoid getting on skin and clothing. Store in an area designed specifically for pesticides. Do not store near food, feedstuffs, fertilizers, or seeds. Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry area, away from excessive heat and open flame.

**REACTIVITY DATA:**

Stable under cool and dry conditions, protected from excessive heat. Avoid temperatures above 75°C. Avoid strong oxidizing agents, alkalines. Decomposition products may be hazardous. The decomposition gases contain H<sub>2</sub>S, CO, dimethyl sulfide, P<sub>2</sub>O<sub>5</sub>, SO<sub>2</sub>, methyl mercaptan. Hazardous polymerisation will not occur.

**SPILLS AND DISPOSAL:**

Dike large spills using absorbent or impervious materials such as sand or clay. Recover and contain as much free liquid as possible. Recover remaining spilled material as appropriate. Collect and contain contaminated absorbent and dike material for disposal. Absorb small spills on sand or vermiculite. Place contaminated material in appropriate container for disposal. If spilled on the ground, the affected area should be removed to a depth of one or two inches and placed in an appropriate container for disposal. Do not flush material to public sewer systems or any waterways. Wear appropriate protective clothing and equipment during cleanup activities. Ensure adequate decontamination of tools and equipment following cleanup. Dispose of in accordance with local, state and federal regulations.

**FIRE/EXPLOSION HAZARD:**

**OTHER INFORMATION:**

**Environmental Impact**

Do not contaminate water courses with product or used containers. Triple rinse containers, puncture and bury beneath at least 500mm of soil away from watercourses.

**CONTACT POINT**

<b>CONTACT</b>	<b>TELEPHONE</b>	<b>DATE OF ISSUE</b>	<b>FILENAME</b>
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