



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Omite 300W Wettable Powder Miticide
Other Names: Propargite
Product Codes: D0 14 (propargite tech)
Recommended Use: For control of mites in various fruits, vegetables, hops & ornamental plants
Chemical Family: -
Supplier: Chemtura Australia Pty Ltd
ABN: 005 225 507
Street Address: Level 7, 435 King William Street
Adelaide South Australia 5000
Telephone Number: 61 8 8112 0900
Facsimile Number: 61 8 8112 0999
Emergency Telephone: **1800 033 111 (24-hour service)**

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS SUBSTANCE, DANGEROUS GOOD**
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).

Risk Phrases: Harmful (Xn)
Irritant (Xi)
R22 ...Harmful if swallowed
R36 Irritating to eyes

Safety Phrases: S24 ...Avoid contact with skin

Poisons Schedule: S6

Dangerous Goods Class: 9, Miscellaneous Dangerous Good

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Proportion by Weight
Propargite	Propargite	2312-35-8	300g/kg

Note: Australian and US Patents apply.

4. FIRST AID MEASURES

Ingestion: If patient is fully conscious, give plenty of water to drink. Do NOT induce vomiting. Seek immediate medical assistance.

Inhalation: Remove to fresh air. Avoid becoming a casualty. Remove contaminated clothing. Keep at rest until fully recovered. Seek medical assistance.

Eye Contact: Hold eye(s) open and flush with water for 15 minutes. Seek immediate medical assistance.

Skin Contact: Wash thoroughly with soap and plenty of water. Remove contaminated clothing and launder before reuse. Seek medical assistance.

Advice to Doctor: Treat symptomatically.

First Aid Facilities: Eye wash station.

Additional Information: If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126; New

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog, foam or dry chemical. Contain runoff.
Hazards from Combustion Products:	Not Flammable. Although in case of fire oxides of sulphur may be produced on combustion of product.
Precautions for Fire fighters and Special Protective Equipment:	Avoid inhalation of fumes. Fire-fighters to wear self-contained breathing apparatus.
HazChem Code:	2[Z]
Additional Information:	Reacts with strong acids and alkalis.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	If there is a contamination of crops or waterways, advise emergency services or State Department.
Methods and Materials for Containment and Clean-Up Procedures:	SPILLS: Use personal protective equipment as outlined above to prevent skin and eye contamination and inhalation of dust. Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Do not contaminate watercourses or drains with the product or containers. Do not reuse the container for any purpose. DISPOSAL: For disposal after spill or accident: Dispose of sealed containers at an approved local waste disposal site.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	
Conditions for Safe Storage:	Store and transport in accordance with the Australian Code for the Transport of Dangerous Goods by Road & Rail. Marine Pollutant (International Maritime Dangerous Goods Code, 25th amendment). Store in original container, away from seeds, fertilizers, animal and human feedstuffs, strong acids and alkalis, sources of direct heat and humidity. Keep dry and out of direct sunlight. Store below 30°C. Keep containers closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	Product: No exposure standard (TWA) allocated Constituents: Recommended exposure standard (TWA) for talc = 2.5 mg/m ³
Biological Limit Values:	Not available.
Engineering Controls:	Sufficient ventilation to minimise dust exposure. Extra ventilation not required under normal use conditions. Protect closed dust handling systems against possible dust explosions. Avoid dust accumulations on building or equipment surfaces. Keep containers closed when not in use.
Personal Protective Equipment (PPE):	Avoid all personal contact. When preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves, face shield and goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. In the absence of adequate ventilation, use a respirator fitted with an agricultural chemical cartridge(s). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey powder
Odour:	Characteristic odour
pH:	Not available
Melting Point:	Not relevant
Solubility:	5.5% in water @ 20°C
Specific Gravity (Water = 1):	1.73

Decomposition Temperature:	Not available
Autoignition Temperature:	450°C
Bulk Density:	400-560kg/m ³
Flammability Limits (%):	71 g/m ³
Volatility @ 20°C	Low
Flashpoint:	94°C

10. STABILITY AND REACTIVITY

Chemical Stability:	Light stable. Degrades slowly in heat.
Conditions to Avoid:	Reacts with strong acids and alkalis
Incompatible Materials:	Strong acids and alkalis, heat & humidity
Hazardous Decomposition Products:	Not available
Hazardous Reactions:	Not available
Polymerisation:	Not available

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Acute Health Effects:

Swallowed: Slightly toxic.
Acute oral LD50 (rat) > 5,840 mg/kg
Eye: Contact with eyes can cause severe irritation.
Skin: Contact with skin can cause moderate irritation.
Acute dermal LD50 (rabbit) > 5,000 mg/kg
Inhaled: May cause irritation to lungs and mucous membranes.
Individuals with respiratory problems should avoid inhalation exposure.
Acute inhalation LC50 (rat) > 4.4 mg/L

Chronic Health Effects:

Repeated exposure may cause allergic disorders. Chronic inhalation may cause lung damage. Propargite is non-mutagenic in multi *in vitro* assays. Tests in rats have shown propargite to be an experimental animal carcinogen when indicated Maximum Tolerated Dose is exceeded. Therefore, propargite is a possible human carcinogen. Studies in rats and mice have shown that repeated doses of propargite do not produce teratogenic effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Highly toxic to fish and aquatic organisms. Not toxic to birds. Low hazard to bees. Do not apply directly to water or wetlands. Do not contaminate water ways with runoff or equipment rinsings.

Propargite technical:

Bluegill Sunfish: 96hr LC50 = 0.168 mg/kg
Mallard Duck: LC50 > 4640 mg/kg
Rainbow Trout: LC50 = 0.118 mg/kg Bob White Quail: LC50 = 3401 mg/kg
Catfish : 96hr LC50 = 0.04 mg/kg Minnow: 96 hr LC50 = 0.101 mg/kg

13. DISPOSAL CONSIDERATIONS

Disposal Method(s):

1 kg Container: Triple, or preferably pressure, rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point.

8 or 10 kg Container: Break, crush or puncture and bury empty containers in a local authority landfill.

If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

Precautions for Landfill or Incineration:

If not recycling, break crush or puncture and bury containers in a local authority landfill. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN Number:	3077
UN Proper Shipping Name:	Environmentally Hazardous Substances, Solid, N.O.S. (contains propargite) Marine Pollutant.
DG Class & Subsidiary Risk:	9, Miscellaneous Dangerous Good

Packing Group: III
EPG/GTEPG: Guide 47 (Dangerous Goods – Initial Emergency Response Guide, 1997).
Special Precautions for User: Store and transport in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail
HazChem Code: 2[Z]
Other Information: None allocated

15. REGULATORY INFORMATION

Poisons Schedule: S6
Additional Information: APVMA Product No. 48086

16. OTHER INFORMATION

Date of Preparation: April, 2006
Revision Date: June, 2008
Revision Number: 1
Revision Summary: Rev 1- Update of Chemtura contact details.

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