



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Comite Miticide
Other Names: Propargite
Product Codes: DO 14
Recommended Use: For the control of cotton mites (*Tetranychus sp.*) in cotton. Apply by spraying using a ground-rig or aerially
Chemical Family: -
Supplier: Chemtura Australia Pty Ltd
ABN: 18 005 225 507
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: R22 Harmful if swallowed
R36 Irritating to eyes
R65 Harmful: May cause lung damage if swallowed
S24 Avoid contact with skin

Safety Phrases: S24 Avoid contact with skin

Poisons Schedule: S6

Dangerous Goods Class: Class 9: Miscellaneous Dangerous Good for Marine Transport only

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Proportion by Weight
Propargite Tech	Propargite	2312-35-8	600 g/L

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 at least 15 minutes. Seek medical advice.
Skin Contact:	Wash thoroughly with plenty of soap and 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 Zealand 03 4747 000

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 as well as inhalation of vapours. Contain using sand or soil. Do not contaminate watercourses or drains with products or containers. Transfer into secure, sealed and properly labelled containers for disposal. Do not reuse the container for any other purpose. DISPOSAL: For disposal after a 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 in original container, away from children, animals, food and feedstuffs. Storage must be secure, and locks and/or seals in order, so contents cannot be tampered with. Check regularly for leaks. Keep cool and dry and out of direct sunlight and other sources of heat and ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	Product: No exposure standard (TWA) allocated.
Biological Limit Values:	Not available
Engineering Controls:	Avoid breathing spray mist. Use only in a well ventilated area. Keep containers closed when not in use.
Personal Protective Equipment (PPE):	Avoid contact with eyes and skin. Do not inhale vapour or spray mist. Do not eat, drink or smoke while using. Wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves, a face shield and disposable facemask. In 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 contaminated clothing and protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown liquid
Odour:	Slight solvent
pH:	Not available
Melting Point:	Not applicable
Solubility:	Emulsifiable in water. Miscible in organic solvents.
Specific Gravity (Water = 1):	1.014
Flashpoint:	71 °C

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at ambient temperatures and pressures.
Conditions to Avoid:	Reacts with strong acids and alkalis
Incompatible Materials:	Strong acids and alkalis
Hazardous Decomposition Products:	Not available
Hazardous Reactions:	Not available
Polymerisation:	Not available

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Acute Health Effects: **Swallowed:** May result in nausea, vomiting, diarrhoea, abdominal pain and increased salivation. Severe poisoning may result in mental confusion, convulsions and unconsciousness

Acute oral LD₅₀ = 2200 mg/kg (rat)

Eye: Contact with eyes may cause irritation

Skin: Contact with skin will result in irritation. Repeated contact with skin can result in allergic contact dermatitis. Propargite can be absorbed through the skin with toxic effects.

Acute dermal LD₅₀ > 3400 mg/kg (rabbit)

Oral doses of this compound have been shown to cause depression, laboured breathing, ataxia and diarrhoea. Similar symptoms may occur through skin absorption.

Inhaled: Vapour may be an irritant to the mucous membranes and respiratory tract.

Chronic Health Effects:

Skin: Fomulation is a skin sensitiser (Guinea pig)

Repeated exposure may cause allergic disorders. Chronic inhalation may cause lung damage. Propargite is a 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 waterways 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: 96hr LC₅₀ = 0.101 mg/kg

13. DISPOSAL CONSIDERATIONS

Disposal Method(s): 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.

If not recycling, break, crush or puncture and bury containers in a local authority landfill. If no landfill is available, bury the containers below 500mm 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: 3082

UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (contains propargite) Marine Pollutant

DG Class & Subsidiary Risk: 9

Packing Group: III

EPG/GTEPG: Not available

Special Precautions for User: None allocated

HazChem Code: 2[Z]

Other Information: Not subject to the ADG code when transported by Road or Rail. (ADG 7, Special Provision AU01)

15. REGULATORY INFORMATION

Poisons Schedule: S6

Additional Information: APVMA Product No. 51293

16. OTHER INFORMATION

Date of Preparation: September, 2010

Revision Date:

Revision Number: 0

Revision Summary: Rev 0 - Update of earlier documentation to ASCC 16-header format.

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