

MATERIAL SAFETY DATA SHEET

This product is harmful if swallowed. It is a designated Hazardous Substance according to the criteria of Worksafe Australia.

This revision issued: September 2005

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **CROPRO STALK[®] INSECTICIDE**

Formulation type: emulsifiable concentrate
Poison Schedule: S6
Recommended use: insecticide for use on crops as described on the product label.
Supplier: PCT International Pty Ltd
Address: Unit 1/ 74 Murdoch Cct, ACACIA RIDGE QLD 4110
Telephone: (07) 3711 7022
Fax: (07) 3711 7055
Website: www.pct.au.com
Contact: David Pearson
Emergency telephone No: 1800 630 877

2. COMPOSITION of/ INFORMATION on/ INGREDIENTS

Ingredients	CAS No	Proportion
Dimethoate	60-51-5	400g/L
Cyclohexane	108-94-1	63g/L
Non-hazardous inert ingredients	n/a	to 100%

3. HAZARDS IDENTIFICATION

Hazard Designation: Hazardous Substance according to the criteria of Worksafe Australia.

Risk Phrases: R10 Flammable R20 Harmful by inhalation
 R24/25 Toxic in contact with skin and if swallowed.

Safety Phrases: S16 Keep away from sources of ignition- No smoking.
 S20 When using, do not eat or drink.
 S36 Wear suitable protective clothing.
 S38 In case of insufficient ventilation, wear suitable respiratory equipment.

SUSDP Classification: S6

ADG Classification: 6.1

UN Number: 3017

4. FIRST AID MEASURES

General Information:	If poisoning occurs, contact a doctor or the Poisons Information Centre on 131126 from anywhere in Australia. Safety showers should be provided where this product is being used. Speed of treatment is necessary in view of the toxicity of the product.
Inhalation:	If inhalation occurs, and if irritation or other symptoms develop, remove patient to fresh air and monitor closely until recovered. If irritation or other symptoms last more than 30 minutes, seek medical advice.
Skin Contact:	If product gets on skin, remove any contaminated clothing and wash skin thoroughly with soap and running water for at least 15 mins., or use a safety shower if available. Seek medical attention.
Eye Contact:	If product gets in eyes, wash with gently flowing water for about 15 mins. or until irritation stops. No further action is normally required.
Ingestion:	If swallowed, give one atropine tablet every 5 mins until dryness of the mouth occurs. Get patient to a doctor or hospital quickly.
Symptoms of Exposure:	Headaches, dizziness, weakness, shaking, nausea, salivation, stomach cramps, diarrhoea and sweating are typical symptoms of acute overexposure. Dimethoate is unlikely to accumulate in body tissues, and is degraded and eliminated from the body within a few days.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	There is a moderate risk of drum explosion if this product is involved in a fire. Firefighters should take appropriate precautions.
Fire Extinguisher type:	Carbon Dioxide, dry chemical, foam or water fog. Foam is the best medium for large fires.
Fire Fighting Procedures & Precautions:	Call the fire brigade if a significant quantity of this product is involved in a fire. Evacuate area of unnecessary personnel immediately. Fire fighters should wear full protective clothing, including self-contained breathing apparatus. All skin areas should be covered. Contain all runoff.
Hazardous Decomposition Products:	Carbon Dioxide, and, if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and oxides of nitrogen, sulfur and phosphorus.
Flash Point:	45°C approx.
Flammability Limits:	Upper 9.4% Lower 1.3% - for Cyclohexane.

6. ACCIDENTAL RELEASE/ SPILLS MEASURES

Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that full protective clothing is worn, including chemically resistant overalls and boots, face shield, gauntlets, and self-contained breathing apparatus. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Stop leak if safe to do so. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500^{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

7. HANDLING AND STORAGE

Handling:	Do not smoke, eat or drink while handling this product. Wear suitable protective clothing as detailed below.
Storage:	Store product in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feed, seed and fertilizers. Protect product from direct sunlight and temperatures above 40°C. (if storing product for longer than 2-3 months, do not exceed 30°C).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	TWA for Cyclohexane 100mg/m ³ . STEL not set.
Ventilation:	No additional ventilation is required with the spray being used externally. Local exhaust ventilation is recommended if the spray is being prepared in an enclosed area.
Eye Protection:	When opening container and preparing spray, wear a face shield. Protective eyewear is recommended whilst using the prepared spray.
Skin Protection:	Wear clean, cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, and chemical resistant boots when handling the product, or when preparing and using the spray.
Respirator:	A half-face respirator with a combined dust and gas cartridge (canister) must be worn when mixing the spray and when using the prepared spray.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description:	Clear, amber liquid
Odour:	Acetone- peppermint-like odour
Specific Gravity:	approx 1.1
Water Solubility:	Emulsifiable
Volatility:	not known
Boiling Point:	160°C approx.
Evaporation Rate:	not known

10. STABILITY & REACTIVITY

Reactivity:	Product is stable under normal conditions of storage and use.
Conditions to Avoid:	none known.
Incompatibilities:	Strong oxidizing agents.
Fire Decomposition:	Carbon Dioxide, and, if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and oxides of nitrogen, sulfur and phosphorus.
Polymerisation:	unlikely to occur.

11. TOXICOLOGICAL INFORMATION

Reproductive Effects:	not known
Teratogenic Effects:	not known
Mutagenic Effects:	not known
Organ Toxicity:	not known
Carcinogenic status:	Not classified as carcinogenic by NOHSC
Animal Toxicity Data:	LD ₅₀ Oral (Rat) 387mg/Kg LD ₅₀ Dermal (Rat) >2000 mg/Kg LC ₅₀ Inhalation (Rat) >1.6mg/L/4hr.

12. ECOLOGICAL INFORMATION**Effects on Birds:** LD₅₀ (duck) 42mg/Kg**Effects on Aquatic Organisms:** Product is toxic to fish and other crustaceans.**Effects on Other Animals****(non-target species):** Product is dangerous to bees. Do not spray any plant in flower while bees are foraging.**13. DISPOSAL CONSIDERATIONS**

Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500^{mm} deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN Number:	3017
Proper Shipping Name:	Organophosphorus Pesticide, Liquid, Toxic, Flammable.
Class and Subsidiary Risk:	6.1
Packing Group:	III
Hazchem Code:	2W

15. REGULATORY INFORMATION**APVMA Approval №:** 58374/20L/0504**16. OTHER INFORMATION**

This MSDS contains only safety-related information. For other data, see product literature.

The above information is correct and accurate to the best of our knowledge. However, no warranty, expressed or implied, is made as to its accuracy or completeness of data herein. Further research and investigation may be required for your particular use of this product.

PCT International Pty.Ltd.
Unit 1, 74 Murdoch Cct,
ACACIA RIDGE Qld 4110