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Infosafe No.

Issue Date : July 2005

ISSUED by CRPCARE

Product Name : Thiragranz Fungicide

3NU0R

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKIN(

Product Name	Thiragranz Fungicide			
Product Code	5114			
Product Use	Product controls fungal diseases of Fruit Trees, Grapevines, Strawberries, Vegetables & Ornamentals; and for use as a seed treatment to control various fungal diseases of Chickpeas, Lupins and Sorghum as specified in the Directions for Use Table.			
Company Name	Crop Care Australasia Pty Ltd (ABN 53 061 362 347)			
Address	77 Tingira Street Pinkenba Queensland 4008 Australia			
Emergency Tel.	1800 033 498			
Telephone Number/Fax	Tel: (07) 3867 9100 Fax: (07) 3867 9110			
Product Type	Group Y Fungicide			
Other Information	This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.			

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Solid Characterization Ingredients <u>Name</u> Thiram Dispersant Substance Chemical Dithiocarbamate Family

3. HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed.
Irritating to eyes and respiratory system.
Possible risk of irreversible effects.
May cause sensitization by skin contact.
Poisons Schedule 6

CAS

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137-26-8

Proportion

800 g/kg 200 g/kg

Other Information Poisons

4. FIRST AID MEASURES

Inhalation	Remove victim from exposure - avoid becoming a casualty. If breathing is difficult, oxygen may be given by a trained person. Obtain medical assistance.
Ingestion	Give a glass of water. Rinse mouth thoroughly with water. Seek medical advice immediately.
Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical advice.
Eye	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. If irritation persists consult a doctor.
First Aid Facilities	If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).
Advice to Doctor	Treat symptomatically. Avoid giving alcohol - may cause vomiting and shock.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water fog, foam, carbon dioxide or dry chemical.			
Hazardous	If involved in a fire, it will emit oxides of sulphur, oxides of carbon and			
Combustion	possibly oxides of nitrogen.			
Products	Combustible liquid at high temperatures.			

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Emergency Action in case of Fire Protective Equipment Other Information	If exposed to fire, keep container cool by spraying with water. If possible, remove other containers from the area of fire. Breathable air apparatus should be worn when fighting a fire in which thiram is involved. Hazchem code 2X .				
6. ACCIDENTA	L RELEA	SE MEASURES			
Spills & Disposal	Pick up with a shovel and broom. Collect in sealed open top containers for disposal. On-site disposal of concentrate is not acceptable. Do NOT flush with water.				
Personal Protection		priate personal protective equipment	(PPE), refer Section 8.		
Environmental Precautions	Prevent f	rom entering drains, waterways or se	wers.		
7. HANDLING	AND STO	RAGE			
Handling Storage	Avoid generating dusts while handling the product and mixing. If dusts are generated, it is advisable to wear a dust mask, refer Section Seed treated with this product must not be used for animal or human consumption or be allowed to contaminate seed intended for animal or human consumption. Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Do not store in the same area as acids. Treated seed, when stored, should be kept apart from other seed. The containers should be clearly marked to indicate the contents have been trea with this product.				
8. EXPOSURE	CONTROI	S/PERSONAL PROTECTION			
National Exposure Standards	No exposu Australia	re standards have been established f , however, the TWA exposure standard			
Other Exposure Information	<pre>specified is 10 mg/m3. OSHA (USA) has set the following exposure standards for Thiram PEL 5 mg/m3; STEL not allocated. ACGIH has set the following exposure standards for Thiram TLV TWA 1 mg/m3; STEL not allocated.</pre>				
Respiratory Protection	If dusts	are present, wear a class P2 dust ma	sk.		
Eye Protection	Wear chem	ical goggles.			
Personal Protective Equipment	buttoned	ing the container and preparing the to the neck and wrist and a washable 1d or goggles.			
Eng. Controls	Handle in	Handle in well ventilated areas, generally natural ventilation is adequate. Avoid generating and inhaling dusts.			
Hygiene Measures	thoroughl	and before eating, drinking or smok y with soap and water. Th day's use, wash contaminated cloth	-		
9. PHYSICAL A	AND CHEN	MICAL PROPERTIES			
Appearance	White Gra				
Solubility in Water	Disperses 18 mg/l t	in water. hiram			
Specific Gravity (H2O=1)	1.29				
Vapour Pressure		25°C for thiram			
Partition co-efficient, n-octanol/water Flammability		o is 1.73 for thiram			
	2011901 01				

10. STABILITY AND REACTIVITY

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ISSUED by CRPCARE			
Thiragranz Fungicide			
carbon disulfide vapour.			
spraying operations. in spray mists. sure.			
lude: headache,			
itation. isation.			
anticipated to cause			
ry 3 Mutagenic Substance; sible mutagenic effects.			
pational environment as a substance is not			
in sensitisation.			
ram for a human is 0.004 posure. This is based on how no effects during long the most sensitive I List', TGA, August			
the			

12. ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment	The product is a marine pollutant for sea transport.				
Other Precautions	Do not contaminate dams, waterways or sewers with this product. Do not feed treated seed, or otherwise expose, to wildlife and domestic animals, particularly birds.				
Mobility	Rapid degradation in soil prevents significant downward movement under normal conditions.				
Persistence /	Average field half life of thiram is <1 days.				
Degradability					
Acute Toxicity - Fish	LC50 (96 hr) for (bluegill sunfish) is 0.045 mg/l. LC50 (96 hr) for (rainbow trout) is 0.128 mg/l.				
Acute Toxicity - Daphnia	LC50 (48 hr) for (daphnia) is 0.21 mg/l.				

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Product Name :	Thiragranz Fungicide			
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Acute Toxicity - Other Organisms	LD50 for male ringneck pheasant is 673 mg/kg for thiram Bees: Not toxic to bees. LD50 >2000 µg/bee.			
13. DISPOSAL	CONSIDE	ERATIONS		
Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodi collections of unwanted chemicals (ChemCollect). Any seed treated with Thiragranz alone not intended for immediate sowing should be destroyed by burying below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.			
Container Disposal			ntainers in local authority s below 500mm in a disposal pit clear of waterways, desirable	

14. TRANSPORT INFORMATION

U.N. Number	None Allocated			
	None Allocated			
DG Class	None Allocated			
Hazchem Code	None Allocated			
Packing Group	None Allocated			
Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.			
UN Number (Sea Transport)	3077			
IMO Class/Packing Group	9			
IMO Marine Pollutant	Marine Pollutant			
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S (contains Thiram)			

15. REGULATORY INFORMATION

Dial Dhuaga	D20/22 Hermful by inhelation and if suclaured
Risk Phrase	R20/22 Harmful by inhalation and if swallowed.
	R36/37 Irritating to eyes and respiratory system.
	R40(3) Possible risk of irreversible effects.
	R43 May cause sensitization by skin contact.
Safety Phrase	S13 Keep away from food,drink and animal feeding stuffs.
	S2 Keep out of reach of children.
	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
	S46 If swallowed, seek medical advice immediately and show this container or
	label.
	S51 Use only in well ventilated areas.
Poisons Schedule	S6
Packaging &	POISON
Labelling	KEEP OUT OF REACH OF CHILDREN
Lubening	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Hazard Category	Harmful, Irritant

16. OTHER INFORMATION

Contact Person/Point		Mr Volker Maier Shift Supervisor	Phone: (03) Phone: 1800	
Revisions Highlighted	The MSDS was re	eviewed. Minor changes	were made to	the information.

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...End Of MSDS...