

DINON 700 WG

Material Safety Data Sheet

(Revised – June 2017)



1. IDENTIFICATION OF MATERIAL & SUPPLIER:

Name of Product: Dinon 700 WG

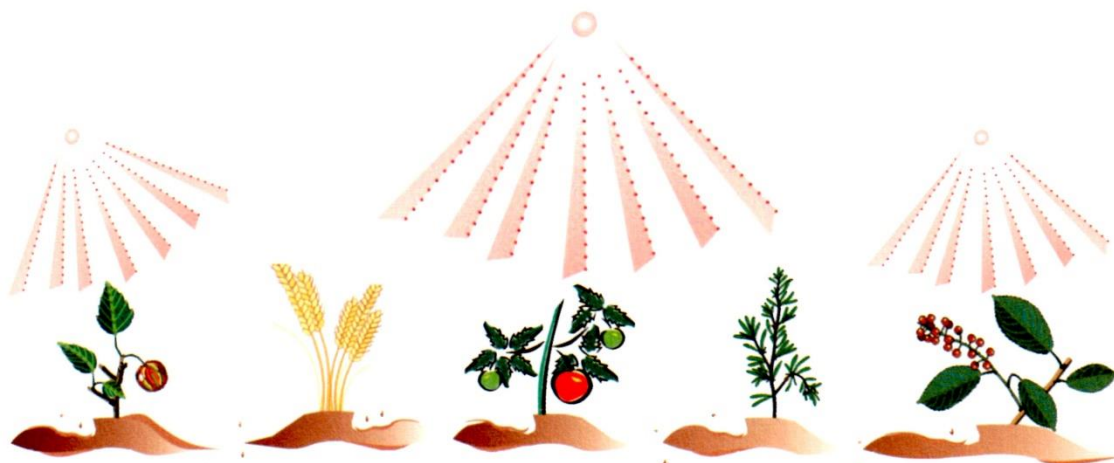
Company Name: Melpat International Pty Ltd
4 / 22 Parry Avenue
Bateman
WA 6150

Contact Telephone: (08) 9312 3200
Contact Facsimile: (08) 9312 3233

Email Address: melpat@melpat.com.au
Website Address: www.melpat.com.au

2. HAZARDS IDENTIFICATION:

Hazard Classification:	Classified as hazardous HAZARDOUS SUBSTANCE. DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.	
Risk Phrase(s)	Classified as hazardous	
	R22 R41 R43	Harmful if swallowed. Risk of serious damage to eyes. May cause sensitization by skin contact.
Safety Phrase(s)	S13 S2 S26 S36/37/39 S46	Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.
Other Information	Poisons Schedule S6	



Phone: (08) 9312 3200
Mobile: 0402 310 854

Facsimile: (08) 9312 3233
Email: melpat@melpat.com.au
Website: www.melpat.com.au

4/22 Parry Avenue
Bateman
Western Australia
6150

3. COMPOSITION & INGREDIENTS:

Chemical Name:	Dithianon
Chemical Family:	Fungicide
Composition:	70%
Physical Description & Colour:	Brown Granule
C.A. Name:	5, 10-dihydro-5; 10-dioxonaphtho [2,3-b]-1; 4-dithi-in-2; 3-dicarbonitrile
CAS no.	3347-22-6

4. FIRST-AID MEASURES:

SKIN CONTACT

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

INGESTION:

Call the Poisons Information Centre (Australia) on 13 11 26.

Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor. Do not give anything by mouth to an unconscious person.

EYE CONTACT:

Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poisons Information Centre or doctor for treatment advice.

INHALATION:

Move person to fresh air. If person is not breathing, call the Poisons Information Centre for help then give artificial respiration.

FURTHER MEDICAL TREATMENT:

If poisoning is suspected, do not wait for symptoms to develop. Contact a doctor, the nearest hospital or the Poisons Information Centre.

5. FIRE FIGHTING PROTECTIVE EQUIPMENT

EXTIGUISHING MEDIA:

Use foam, carbon dioxide, dry chemical or water spray to extinguish fires.

FIRE FIGHTING PROTECTIVE EQUIPMENT:

Use positive-pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTIAL RELEASE MEASURES:

SPILLAGE:

Keep away from all ignition sources. Ventilate the spill area. Avoid breathing vapour. Use self-contained breathing apparatus or air-line respirator for large spills in confined areas. Dike the spill with inert material (sand, earth, etc.) and transfer the liquid or solid diking material to spate containers for recovery or disposal.



Remove the contaminated clothing promptly and wash exposed skin areas with soap and water. Wash clothing before reuse.

UNCONTROLLED DISCHARGE:

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory.

7. HANDLING AND STORAGE:

Keep out of reach of children.

Do not get in eyes, on skin, or clothing. Avoid breathing vapour or spray mist.

Users should wash hands before eating, drinking, using tobacco, or using the toilet. For handling relative to the end-use of this product, read the product label.

Store in original container in a dry and well ventilated storage area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

Use chemical splash goggles. Eye protection worn must be compatible with respiratory protection system employed. Use protective clothing impervious to this material. Selection of specific items such as face shield, gloves, boots, apron, or full body suit will depend on operation. Remove contaminated clothing immediately, wash skin area with soap and water, and wash clothing before reuse. Items, which cannot be decontaminated, such as shoes, belts, etc. should be removed, destroyed and disposed of.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	Brown Granule
Melting Point:	215-216°C
Vapour Pressure:	2.7×10^{-6} mPa (25°C)
Flash Point:	Ignition Temperature: >300°C
Solubility:	Water solubility: 0.14mg/l (pH 7, 20°C), in Chloroform: 12, Acetone: 10, Benzene: 8 (all in g/l, 20°C). Sparingly soluble in methanol and dichloromethane.

10. STABILITY AND REACTIVITY:

Stable:	Decomposed by alkaline media, by concentrated acids, and by prolonged heating; DT ₅₀ 12.2h (pH 7, 25°C). Stable up to 80°C. Aqueous solution (0.1mg/l) exposed to artificial sunlight had DT ₅₀ 19h.
Conditions to avoid:	None
Hazardous Polymerisation:	No
Polymerisation:	Will not occur
Hazardous Decomposition Products:	High temperatures of fire may produce irritating gases & vapours



11. TOXICOLOGICAL INFORMATION (Active Ingredient):

Oral:	Acute oral LD ₅₀ for rats = 300 Guinea pigs = 115mg/kg
Skin and eye contact:	Acute percutaneous LD ₅₀ for rats >2000mg/kg. No skin irritation; severe eye irritant.
Inhalation:	LC ₅₀ (4 h) for rats 0.33 mg/1 air.
Noel:	(2y) for rats 20, dogs 40mg/kg diet; for mice 2.8mg/kg daily.
ADI:	0.01mg/kg b.w.

12. ECOLOGICAL INFORMATION:

Breakdown in soil and ground water:	Freundlich K 18-56 mg/kg in soils (o.c. 0.7-2.6%, pH 4.8-6.6)	
Breakdown in animals:	Dithianon was detected in only trace amounts in tissues and/or excreta. It is rapidly and intensively metabolized by a number of degradation process; the key degradation steps are assumed to be oxidation/reduction and reaction with nucleophiles, common number of individual metabolites. No individual metabolite has been identified; all were present in minor amounts.	
Breakdown in plants:	In plants, the parent compound is metabolized to a large number of polar, minor unidentified components.	
Toxicity for Birds, Fish, Bees & Daphnia:	Birds:	Acute oral LD ₅₀ for male quail 430, female quail 290 mg/kg.
	Fish:	Toxic to fish; LC ₅₀ (96h) for common carp 0.1mg/l
	Bees:	Contact LD ₅₀ >0.1mg/bee
	Daphnia:	LC ₅₀ (24 h) 2.4mg/l
	Algae:	EC ₅₀ (96h) 12mg/l

13. DISPOSAL CONSIDERATIONS:

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 periodic collections of unwanted chemicals.

CONTAINER DISPOSAL:

Do not use this container for any other purpose. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty 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. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION:

UN NUMBER:	3077
DANGEROUS GOODS:	Class 9
PACKAGING GROUP:	III
HAZARD LABEL:	9, EHSM
PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE: Solid, N.O.S. (contains Dithianon 70%)



15. REGULATORY INFORMATION:

Risk Phrase(s)	Classified as hazardous	
	R22 R50/53	Harmful if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrase(s)	S24	Avoid contact with skin
	S60	This material and/or its container must be disposed of as hazardous waste.
	S61	Avoid release to the environment. Refer to special instructions safety data sheet.
Hazardous Codes:	Xn, Harmful N, Dangerous to the environment.	

The information contained in this MSDS is provided in good faith and is believed to be correct at the date hereof. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Melpat International Pty Ltd makes no representation as to the accuracy or comprehensiveness of the information. To the full extent allowed by law, Melpat International Pty Ltd excludes all liability whatsoever - whether with respect to negligence or otherwise, for any loss or damage arising from or connection with the supply or use of the information in this MSDS.

For further details, please contact Melpat International Pty Ltd:

Tel: (08) 9312 3200
 Fax: (08) 9312 3233
 Mobile: 0402 310 854
 E-mail: melpat@melpat.com.au
 Address: 4/22 Parry Avenue,
 BATEMAN WA 6150

