



Material Safety Data Sheet

Page: 1 of 4

Infosafe No. 3NUEX Issue Date : December 2007 ISSUED by NUFARM

Product Name : **Champ Dry Prill WG Fungicide**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Champ Dry Prill WG Fungicide
Product Code 7705
Product Type Group Y Fungicide
Company Name NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address 103-105 Pipe Road Laverton North
Victoria 3026 Australia
Emergency Tel. 1800 033 498 (24hr Australia)
Telephone/Fax Number Tel: +61 3 9282-1000
Fax: +61 3 9282-1001
Recommended Use A flowable dry prill fungicide for the control of various diseases of fruits and vegetables as per the Directions for Use table on the label.
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. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) R20/22 Harmful by inhalation and if swallowed.
R36 Irritating to eyes.
Safety Phrase(s) S13 Keep away from food, drink and animal feeding stuffs.
S2 Keep out of reach of children.
S25 Avoid contact with eyes.
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.
Other Information Poisons Schedule S6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	Name	CAS	Proportion
	Copper (present as Copper Hydroxide)	20427-59-2	375 g/kg
	Dispersants and fillers		Balance

4. FIRST AID MEASURES

Inhalation Remove affected person to fresh air until recovered.
If symptoms develop or persist, seek medical advice.
Ingestion If swallowed DO NOT induce vomiting.
Rinse mouth and then drink plenty of water.
Obtain medical advice.
Skin Wash affected areas thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
Eye If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice.
First Aid Facilities If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.



Material Safety Data Sheet

Page: 2 of 4

Infosafe No. 3NUEX Issue Date : December 2007 ISSUED by NUFARM

Product Name : **Champ Dry Prill WG Fungicide**

Advice to Doctor Treat symptomatically.
No specific antidote.
Remove by gastric lavage. Victim may suffer stomach pains, symptoms attributed to the CNS and kidneys, hemolytic crisis accompanied by damage in the liver and brain.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products May emit toxic smoke and fumes if involved in fires or exposed to extreme heat.
Special Protective Equipment for fire fighters Breathable air apparatus must be worn if material is involved in fires especially in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Recover the product by sweeping up or vacuuming without raising dust. Collect spilled material and waste in sealable open-top type containers for disposal.
Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid generating dusts while handling the product and mixing. Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers.
Conditions for Safe Storage Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight.
Other Information Always read the label and any attached leaflet before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standard for this product has been set, however, an exposure standard has been set for copper as dust and mist (as Cu) at 1 mg/m³.
Engineering Controls Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, nitrile or elbow-length PVC gloves and face shield or goggles and disposable dust mask.
Re-entry period: Do not enter treated area until spray has dried.
Hygiene Measures After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Solid
Appearance Dark Blue granules
Odour Odourless
Solubility in Water Disperses in water.
Specific Gravity 1.09
pH Value 10.4 (1% in water)
Vapour Pressure Negligible at 20°C
Flammability Non combustible material.

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.



Material Safety Data Sheet

Page: 3 of 4

Infosafe No. 3NUEX Issue Date : December 2007 ISSUED by NUFARM

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Incompatible Materials Incompatible with acids, calcium polysulphide, dithiocarbamates, alkaline pesticides such as lime sulphur, dinitro compounds, phosdrin, dimethoate, TMTD (thiram), calcium compounds and mercury compounds.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No harmful effects are expected if the precautions on the label and this MSDS are followed.

Inhalation Avoid inhalation of spray mist. Excessive exposure to product dust may cause cough, mucous production and shortness of breath, reflecting metal fume fever.

Ingestion Not a likely route of exposure. Ingestion of large doses of copper salts may result progressively in irritation of the gastrointestinal tract, nausea, vomiting, salivation, gastric pain, hemorrhagic gastritis, diarrhea, capillary damage, liver and kidney damage, and central nervous system stimulation followed by depression. Jaundice, pain in the liver, and hemolytic anemia have been reported following acute human poisonings.

Skin Prolonged contact with the concentrate may cause irritation. Repeated or prolonged contact with the concentrate may lead to irritant contact dermatitis.

Eye Will irritate the eyes.

Chronic Effects Low chronic toxicity unless excessive exposure is encountered. Excessive exposure to copper by inhalation may result in irritation of the upper respiratory tract which, if severe, may lead to perforation of the nasal septum after long periods of exposure. Repeated ingestion of copper salts may result in anemia, liver and kidney damage. Chronic inhalation exposure may cause a metallic taste in the mouth, irritation of the upper respiratory tract such as the nasal mucosa that may progress to perforation of the nasal septum. Chronic cough may also occur. Copper hydroxide, which comprises 37.5% of this product, governs the toxicity of the product. The remaining components have low to negligible toxicity.

Acute Toxicity - Oral LD50 (rat) 1346 mg/kg for the formulated product

Acute Toxicity - Dermal LD50 (rat) >2000 mg/kg for the formulated product

Acute Toxicity - Inhalation LC50 (rat) (4hr) 1.3 mg/l for the formulated product

Human Effects Copper-intolerant individuals should not be exposed to this material. No additional information is available on whether overexposure to this material would aggravate other existing special medical conditions.

12. ECOLOGICAL INFORMATION

Environ. Protection Spray drift should be avoided, read the label for more information.

Acute Toxicity - Fish LC50 (24hr) rainbow trout is 0.08 mg/L for copper hydroxide

Acute Toxicity - Daphnia LC50 (48 hr) for daphnia magna is 0.07 mg/l for copper hydroxide.

Acute Toxicity - Other Organisms Not toxic to bees.

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 (ChemClear®).

Container Disposal Shake the last amount of product from the bag into application equipment. If not recycling, puncture or shred and bury containers in 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



Material Safety Data Sheet

Page: 4 of 4

Infosafe No. 3NUEX Issue Date : December 2007 ISSUED by NUFARM

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vegetation and tree roots.
Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

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 Class 9; Packing Group III
IMO Marine Pollutant Marine Pollutant
IMO Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Copper Hydroxide)

15. REGULATORY INFORMATION

Poisons Schedule S6
Packaging & Labelling POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Hazard Category Harmful, Irritant
AICS (Australia) All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS 06/12/2007
Contact Person/Point Normal Hours: Mr Volker Maier Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted The MSDS was reviewed. Minor changes were made to the information. The MSDS is now issued in a 16 header format.
...End Of MSDS...