



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL WRATH 700WG FUNGICIDE
Other Names: None
Chemical Group: Napthoquinone
CAS No.:
Recommended Use: For the control of certain diseases of stone fruit, pome fruit and vines as specified in the Directions for Use table on the label.
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: ccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

GHS classification: Acute toxicity - oral Category 4
Skin corrosion/irritation Category 2
Eye damage/irritation Category 1

Signal Words: DANGER

Hazard Statements : H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage

General Precautionary Statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children
P103 Read label before use.

Pictograms :



Precautionary statements P234 Keep only in original container.
P260 Do not breathe mists.



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Date of Issue: 1 December 2016

| | |
|---------------------------------|---|
| Prevention: | P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection. |
| Precautionary statements | P301+P310+P330 IF SWALLOWED: Call a Poisons Information Centre or doctor. Rinse mouth. |
| Response: | P303+P352 IF ON SKIN : Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs : Get medical advice/attention. P305+PP351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362 Take off contaminated clothing and wash before reuse. |
| Storage : | |
| Disposal: | P501 Dispose of contents/container to an approved waste disposal plant. |
| Other information : | Dangerous good. Hazardous substance. Poisons schedule S6 |

3) COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS Number | Concentration |
|--------------------|------------|---------------|
| Dithianon | 3347-22-6 | 700g/kg |
| Dispersants | | 10-30% |
| Siliceous material | | 10-39% |

4) FIRST AID MEASURES

**If poisoning occurs, move out of dangerous area immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given.
Show this Safety Data Sheet to the doctor.**

| | |
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| If inhaled: | Move to fresh air and keep at rest. If person is not breathing, call a doctor and then give artificial respiration, preferably mouth-to-mouth, if possible. If symptoms develop or persist, seek medical advice. |
| In case of skin contact: | Carefully remove contaminated clothing and shoes immediately. Wash affected areas with mild soap and plenty of water. Wash contaminated clothing before reuse. |
| In case of eye contact: | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Check and remove any contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Protect unharmed eye. Get medical attention |
| If swallowed: | Rinse mouth and give plenty of water. Call a POISONS CENTRE or doctor for treatment advice. Do not induce vomiting. Do not give anything by mouth to an unconscious person. If patient vomits, ensure vomit does not enter the lungs by careful placement of the patient. |
| First Aid facilities | Ensure eye wash and safety shower are available. |
| Medical Attention: | Treat symptomatically. |



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5) FIRE FIGHTING MEASURES

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| Extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray may be used to keep fire exposed containers cool. Avoid strong water jets – airborne dusts may form a flammable dust cloud. |
| Hazard from combustion products | In a fire, formation of carbon monoxide and carbon dioxide can be expected as well as oxides of nitrogen and sulphur. |
| Precautions for fighting fires | Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire residues and contaminated fire extinguishing water in accordance with local regulations. Do not release contaminated water into the environment. |
| Hazchem Code | 2Z |

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Ensure adequate ventilation. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.

7) HANDLING AND STORAGE

| | |
|-----------------|--|
| Handling | Keep out of reach of children. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing. |
| Storage | Store in the tightly closed original container in a cool well ventilated area out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers. |



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

| | |
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| Exposure Standards | No exposure standard for this product has been set. However, an exposure standard has been set for kaolin at 10mg/m ³ . Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week. |
| Biological Limit Values | None allocated |
| Engineering Controls | Control process conditions to avoid contact. Local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of mechanical ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. |
| Personal Protective Equipment | Eyes: Safety goggles. Eye wash bottle with pure water. Clothing: Impermeable clothing buttoned to the neck and wrists and a washable hat. Gloves: Polyvinyl alcohol or nitrile-butyl-rubber gloves. Before removing gloves clean them with soap and water. Respiratory: Not normally required. If inhalation is likely an AS/NZS 1715/1716 approved respirator or P1 dust mask should be worn. |

9) PHYSICAL AND CHEMICALS PROPERTIES

| | |
|---|--------------------------|
| Appearance: | Brown granules |
| Odour: | Characteristic odour |
| Vapour pressure: | Not available |
| Relative vapour density: | Not available |
| Evaporation rate: | Not applicable. |
| Boiling point: | Not available |
| Freezing/Melting point: | Dithianon melts at 217°C |
| pH: | 6.9 (1% in water) |
| Solubility: | Disperses in water |
| Specific gravity: | Not available |
| Flash point: | Not available |
| Flammability (explosive) limit: | Not available |
| Auto ignition temperature: | No data available. |
| Partition coefficient (octanol/water): | Log P Kow 3.2 |
| Viscosity: | No data available |
| Oxidising properties: | No data available. |



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10) STABILITY AND REACTIVITY

| | |
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| Chemical stability: | Stable under normal conditions of use and storage. |
| Conditions to avoid: | None known. |
| Incompatible materials : | Strong alkalis and alkaline materials such as lime, lime sulphur and Bordeaux mixtures. |
| Hazardous decomposition products: | In a fire, oxides of carbon, nitrogen and sulphur can be expected. |
| Hazardous reactions: | Stable under recommended storage conditions. No decomposition if used as directed. |

11) TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|--|
| Inhalation: | Inhalation of dusts or aerosols may result in effects described under ingestion. |
| Skin contact: | Prolonged or repeated exposure may cause skin sensitization. |
| Eye contact: | The contact will cause severe irritation and possible damage unless washed off immediately. |
| Ingestion: | Possible symptoms of exposure include : lethargy, shortness of breath, diarrhoea, motor weakness and incoordination. |
| Chronic toxicity: | |
| Carcinogenicity: | No carcinogenic effects are expected. |
| Reproductive toxicity: | Occasional workplace exposure is not expected to present a hazard. |
| Target organ effects: | Chronic overexposure : Weight loss and damage to liver and kidneys may be expected if exposure is excessive. |
| Aspiration hazard: | Material is an aspiration hazard. |
| Acute toxicity: | |
| Oral toxicity (product): | LD ₅₀ rat 273-520 mg/kg for formulated product |
| Dermal toxicity (product): | LD ₅₀ rat >4000 mg/kg for formulated product |
| Inhalation toxicity: | LC ₅₀ rat (4 hr) 0.33 mg/L for formulated product |
| Sensitisation: | Product is a skin sensitizer |



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12) ECOLOGICAL INFORMATION

Harmful to aquatic life. The product is a marine pollutant for sea transport.
DO NOT contaminate streams, rivers or waterway with this product or the used containers.
If climatic conditions at the time of application result in slow drying of the spray deposit, some varieties of fruit may show minor skin russetting.

Ecotoxicity: LC₅₀ (96-h) (rainbow trout) 0.016 mg/L
LC₅₀ (48-h) (Daphnia) 0.110 mg/L
EC₅₀ (Selenastrum capricornutum) 0.064 mg/L
Not toxic to bees. LD₅₀ >100 ug/bee
LD₅₀ (female quail) 290mg/kg for dithianon

Environmental fate, persistence and degradability, mobility No data available.

Identified harmful effects on environment: Harmful to aquatic organisms.

Other precautions: Do not contaminate dams, waterways or sewers with this product.

13) DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical 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 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

IMDG-Code

UN number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. – Contains Dithianon
Class: 9
Packing group: III
Hazchem Code: 2Z
Packaging method: 3.8.9
EPG number: 9C1
IERG number : 47
IMO Class/Packing Group: Class 9; Packing Group III



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IMO Marine Pollutant: Marine pollutant
IMO Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. – Contains Dithianon

ADG

UN number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. – Contains Dithianon
Class: 9
Packing group: III
Hazchem code: 2Z

15) REGULATORY INFORMATION

Poisons Schedule S6

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number : 82661

16) OTHER INFORMATION

Date of revision : 1 December 2016
Reason for revision : Upgrading to GHS format.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

END OF SDS