

# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Creation Date : 16/10/2018

Revision : 1.1

Revision Date : 16/04/2019

## Section 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name : **Surefire Dithianon 700 WG Fungicide**  
CAS No. : 3347-22-6

### 1.2. Relevant identified uses of the substance or mixture and uses against

Recommended Uses : Fungicide  
Uses advised against : None known

### 1.3. Detail of the supplier of the safety data sheet

Supplier Name : PCT International Pty Ltd  
Supplier Address : Unit 5, 74 Murdoch Circuit  
ACACIA RIDGE QLD 4110 AUSTRALIA  
Contact No. : Tel: +61 73711 7022 (1800 630 877)

For further information, please contact

Email address : sales@pcti.com.au  
Website : www.pctrural.com.au

### 1.4. Emergency telephone number

Emergency Telephone : Poisons Information Centre TEL13 11 26

## Section 2: HAZARD IDENTIFICATION

### Potential health effects

#### Acute effects

Eyes : May cause slight transient irritation.

Skin : Does not pose a potential of skin irritation and sensitization.  
Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : May cause respiratory tract irritation.

Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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Chronic effects : No known effect based on available information.

Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENT

### 3.1. Substance

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4) dithiazine-2,3-dicarbonitrile	Dithianon 70% WG	3347-22-6	None	70.0%

## Section 4: FIRST AID MEASURES

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position. Immediately remove contaminated any clothing.

Show container, label and/or safety data sheet to physician.

If inhaled : Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler

On skin contact : Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist

On contact with eyes : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist

On ingestion : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention

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## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in section 2 and/or section 11 of this SDS., no other symptoms and / or effects are known.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (Decontamination, vital functions), no known specific antidote is available.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: dry powder, foam, water spray

Unsuitable extinguishing media: Carbon dioxide

### 5.2. Special hazards arising from the substance or mixture

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides

The substances/groups of substances mentioned above may be released in the event of fire.

### 5.3. Advice for fire-fighters

Special protective equipment: Wear self-contained breathing apparatus and chemical protective clothing when dealing with a fire.

Further information: In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

### 6.2. Environmental precautions

Do not allow contamination of open drains or surface or ground waters. Inform local environment agency. Keep people and animals away.

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## 6.3. Methods and material for containment and cleaning up

For small amounts: contain with dust binding material and dispose of

For large amounts: Sweep/shovel up

Avoid raising dust. Dispose of absorbed material in accordance with regulations.

Collect waste in suitable containers, which must be labelled and sealed.

Clean contaminated floors and objects thoroughly with water and detergent, observing environmental regulations.

## 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion: Dust can form an explosive mixture with air. Avoid dust formation. Prevent electrostatic charge -sources of ignition should be kept well clear -fire extinguishers should be kept handy.

### 7.2. Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Protect from temperatures above: 40°C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

Respiratory protection: Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles

Hand protection: Suitable chemical resistant gloves for prolonged, direct contact.

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Eye protection: Securely fitting safety goggles

Body protection: must be chosen depending on activity and possible exposure

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Odour	: Mild aromatic odor
Appearance	: Brown colored solid granular
Bulk Density (Pour & Tap)	: 0.568 ± 0.009 g/mL (Bulk density) 0.617 ± 0.010 g/mL (Tap density)
Molecular weight	: 296.3 g/mol
pH	: 4.69 ± 0.03 (1% solution in water)
Flammability (solid, gas)	: Non-Flammable
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: Non-Explosive
Oxidizing properties	: Not Applicable

#### 9.2. Other information

No data available

### Section 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No hazardous reactions if stored and handled as indicated.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as indicated.

#### 10.4. Conditions to avoid

See SDS section 7

#### 10.5. Incompatible materials

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Substance to avoid: strong acids, strong bases, strong oxidizing agents.

## 10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

- Acute oral toxicity : Rat LD<sub>50</sub> 1000 mg/kg b.w
- Inhalation : Rat LC<sub>50</sub> (4 hr) 0.39 mg/L of air.
- Dermal : Rat LD<sub>50</sub> > 2000 mg/Kg B.w

#### Skin corrosion/irritation Skin

Non-Irritant to the skin of New Zealand White Rabbits.

#### Serious eye damage/eye irritation Eyes

Mild-Irritant to the eyes of New Zealand White Rabbits.

#### Respiratory or skin sensitisation

Not a skin sensitizer.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No information available

#### Reproductive toxicity

No information available

#### STOT Single exposure

No information available

#### STOT repeated exposure

No information available

#### Aspiration hazard

No information available

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity (Dithianon Tech)

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Toxicity to fish	:	>0.033 mg/L
Toxicity to daphnia & other	:	>0.157 mg/L
Toxicity to algae	:	0.091 mg/L

## 12.2. Persistence and degradability

No data available

## 12.3. Bioaccumulative potential

No data available

## 12.4. Mobility in soil

Limited mobility in soil due to its strong affinity for adsorption to organic matter

## 12.5. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging: should be emptied as far as possible and disposed of in the same manner as the substance/product.

## Section 14: TRANSPORT CONSIDERATIONS

### ADG/RID/ADN

14.1 UN number	:	2588
14.2 Proper shipping name	:	Pesticide, solid, toxic, N.O.S.
14.3 Transport hazard	:	6.1
14.4 Packing group	:	III
14.5 Environmental Hazards	:	None

### IMDG

14.1 UN number	:	2588
14.2 Proper shipping name	:	Pesticide, Solid, Toxic, N.O.S.
14.3 Transport hazard	:	6.1
14.4 Packing group	:	III
14.5 Environmental Hazards	:	None

### IATA

14.1 UN number	:	2588
14.2 Proper shipping name	:	Pesticide, Solid, Toxic, N.O.S.

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14.3 Transport hazard : 6.1  
14.4 Packing group : III  
14.5 Environmental Hazards : None  
14.6 Limited quantity for t'port: 5 Kg

### Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
5,10-dihydro-5,10-dioxonaphtho(2,3-b) (1,4) dithiazine-2,3-dicarbonitrile	5,10-dihydro-5,10-dioxonaphtho(2,3-b) (1,4) dithiazine-2,3-dicarbonitrile	3347-22-6	None
European Inventory of Existing Commercial Chemical Substances (EINECS)			-
EC Inventory			-
United States Toxic Substances Control Act (TSCA) Inventory			-
China Catalog of Hazardous chemicals 2015			-
Australia: AICS: All ingredients in the formulation are compliant with NICNAS regulations.			-
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			-
Vietnam National Chemical Inventory			-
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			-

### Section 16: OTHER INFORMATION

Information on revision

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## Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- AICS Australian Inventory of Chemical Substances
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 [CLP/GUH]

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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