



## COLIN CAMPBELL (CHEMICALS) PTY. LTD.

### SAFETY DATA SHEET

Date of Issue: 13 July 2020

#### 1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CAMPBELL SYLLIT 400SC FUNGICIDE  
**Other Names:** Dodine  
**Chemical Group:** Guanidine  
**CAS No.:**  
**Recommended Use:** Fungicide for use on horticultural crops.  
**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:** [cccsyd@campbellchemicals.com.au](mailto:cccsyd@campbellchemicals.com.au)  
**Website:** [www.campbellchemicals.com.au](http://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

**HAZARDOUS SUBSTANCE - DANGEROUS GOOD.** According to the WHS Regulations and the ADG Code.

**Hazard Ratings :**

Acute toxicity Category 3  
Skin corrosion/irritation : Category 2  
Eye damage/irritation: Category 1

**GHS Signal Words:** DANGER

**Hazard Statements :**  
H315 : Causes skin irritation  
H319 : Causes serious eye irritation.  
H331 : Toxic if inhaled

**General Precautionary Statements :**  
P102 Keep out of reach of children  
P103 Read label before use.

**Pictograms :**





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<b>Precautionary statements</b>	P261 - Avoid breathing mist, spray, vapours.
<b>Prevention:</b>	P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eye protection, protective clothing, protective gloves.
<b>Precautionary statements</b>	P302+P352 - If on skin: Wash with plenty of water
<b>Response:</b>	P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a doctor P311 - Call a poison center/doctor. P321 - Specific treatment (see First aid measures on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
<b>Storage and disposal:</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration	GHS Classification
Dodine	2439-10-3	40%	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethoxylated oleyl amine, dodecylbenzenesulfonic salt	66467-20-7	<15%	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
1,2-benzisothiazolone	2634-33-5	<1%	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400



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#### 4) FIRST AID MEASURES

**If poisoning occurs, 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.**

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Artificial respiration and/or oxygen if necessary. Call a POISON CENTER/doctor. May cause respiratory irritation. Sore throat. Chest pain. Toxic if inhaled.
- Skin Contact:** Wash skin thoroughly with mild soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Causes serious eye damage. Symptoms may include pain, blinking, tears and redness.
- Ingestion:** Rinse mouth. Call a physician immediately. Do NOT induce vomiting.. May be harmful if swallowed. Abdominal cramps. Nausea.
- First Aid facilities** Ensure eye wash and safety shower are available.
- Medical Attention:** Treat symptoms. The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. Probable mucosal damage may contraindicate the usage of gastric lavage

#### 5) FIRE FIGHTING MEASURES

- Extinguishing media** Carbon dioxide. Dry chemical. Foam. Water spray. Use extinguishing media that are appropriate to local circumstances and the surrounding environment.
- Hazard from combustion products** In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected.
- Precautions for fighting fires** Product is not explosive. 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 extinguishing agent and spillage safely later. Do not release contaminated water into the environment.
- Hazchem Code** 2X



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#### 6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Avoid contact with skin, eyes and clothing. Do not breathe aerosol. Do not breathe vapour. 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. 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. Do not eat, drink or smoke when using this product. 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 closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers.

**Flammability** Combustible

#### 8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
	Not set	Not set

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

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.

**Short Term Exposure Limit (STEL)** means the exposure level that may be equalled (but should not be exceeded for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL

**Biological Limit Values** None allocated

**Engineering Controls** Avoid splashing. Avoid creating mist or spray. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only in well ventilated areas. Provide local exhaust ventilation of closed transfer systems to minimize exposures.



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<b>Personal Protective Equipment</b>	Eyes:	Chemical goggles or safety glasses. face shield. Eye wash bottle with pure water.
	Clothing:	Impervious clothing buttoned to the neck and wrists and a washable hat.
	Gloves:	Wear suitable gloves resistant to chemical penetration. Wear water impervious gloves. ( $\geq$ 14 mils). Butyl rubber gloves. Nitrile rubber gloves. neoprene gloves. PVC. Viton
	Respiratory:	If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.
<b>Personal hygiene :</b>		

#### 9) PHYSICAL AND CHEMICALS PROPERTIES

<b>Appearance:</b>	White opaque viscous liquid
<b>Odour:</b>	Mild
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Freezing/Melting point:</b>	Not available
<b>pH:</b>	~6.1
<b>Solubility:</b>	Disperses in water
<b>Specific gravity:</b>	1.015 g/cm <sup>3</sup> at 20°C
<b>Autoignition temperature:</b>	430°C
<b>Flash point:</b>	Not available
<b>Flammability (explosive) limit:</b>	Not available
<b>Viscosity, dynamic:</b>	800 cP at 20°C
<b>Partition coefficient (octanol/water):</b>	Dodine : log P <sub>ow</sub> = 0.96 at 20°C

#### 10) STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	No data available
<b>Incompatible materials :</b>	Alkali. Strong acids.
<b>Hazardous decomposition products:</b>	In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected.
<b>Hazardous reactions:</b>	Stable under recommended storage conditions. No decomposition if used as directed. Hazardous polymerization will not occur.



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11) TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Toxic if inhaled.
<b>Skin contact:</b>	May cause irritation to the skin.
<b>Eye contact:</b>	Redness, pain, tears, blurred vision, burning sensation, risk of serious damage to eyes.
<b>Ingestion:</b>	No data available

<b>SYLLIT® 400 SC</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.65 mg/l/4h
ATE (vapours)	0.65 mg/l/4h
ATE (dust,mist)	0.65 mg/l/4h
<b>Dodine (2439-10-3)</b>	
LD50 oral rat	660 mg/kg
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	2100 mg/kg
LC50 inhalation rat (mg/l)	0.45 mg/l/4h
ATE (oral)	660 mg/kg bodyweight
ATE (dermal)	2100 mg/kg bodyweight
ATE (vapours)	0.45 mg/l/4h
ATE (dust,mist)	0.45 mg/l/4h
<b>Ethoxylated oleyl amine, dodecylbenzenesulfonic salt (66467-20-7)</b>	
LD50 oral rat	505.05 mg/kg
ATE (oral)	505.05 mg/kg bodyweight
<b>1,2-benzisothiazolone (2634-33-5)</b>	
ATE (oral)	500 mg/kg bodyweight

<b>Skin corrosion/irritation</b>	: <b>Causes skin irritation.</b>
<b>Serious eye damage/irritation</b>	: <b>Causes serious eye damage.</b>
<b>Respiratory or skin sensitisation</b>	: <b>Not classified (No sensitizing reaction was observed for guinea pigs.)</b>
<b>Germ cell mutagenicity</b>	: <b>Not classified</b>
<b>Carcinogenicity</b>	: <b>Not classified</b>
<b>Reproductive toxicity</b>	: <b>Not classified</b>
<b>STOT-single exposure</b>	: <b>Not classified</b>
<b>STOT-repeated exposure</b>	: <b>Not classified</b>
<b>Aspiration hazard</b>	: <b>Not classified</b>



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- Viscosity, kinematic : 788.177 mm<sup>2</sup>/s
- Symptoms/effects after inhalation : May cause respiratory irritation. Sore throat. Chest pain. Toxic if inhaled.
- Symptoms/effects after skin contact : Causes skin irritation. Repeated exposure may cause skin dryness or cracking
- Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include pain, blinking, tears and redness.
- Symptoms/effects after ingestion : May be harmful if swallowed. Abdominal cramps. Nausea.

#### 12) ECOLOGICAL INFORMATION

##### SYLLIT® 400 SC

LC50 fish 1	3.4 mg/l 96h Cyprinus carpio
EC50 Daphnia 1	0.123 mg/l 48 h
ErC50 (algae)	0.022 mg/l 72h Selenastrum capricornutum

##### Dodine (2439-10-3)

LC50 fish 1	1.5 mg/l 96 h
EC50 Daphnia 1	0.146 mg/l 48 h

#### Persistence and degradability

##### SYLLIT® 400 SC

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### Bioaccumulative potential

##### SYLLIT® 400 SC

Log Pow	0.96 @ 20 °C
Bioaccumulative potential	Not established.

##### Dodine (2439-10-3)

Log Pow	0.96 @ 20 °C / pH 7
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#### Mobility in soil

##### SYLLIT® 400 SC

Surface tension	27 mN/m @ 20 °C
Ecology - soil	No additional information available.

#### 13) DISPOSAL CONSIDERATIONS

Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. Do not dispose of waste into sewer. Do not allow into drains or water courses. 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.



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#### 14) TRANSPORT INFORMATION

##### ADG

**UN Number :** 2902  
**Proper shipping name:** PESTICIDE, LIQUID, TOXIC, N.O.S. (dodine)  
**Class and subsidiary risk:** 6.1  
**Packing Group:** III  
**Labels** 6

##### IATA-DGR

**UN/ID No.:** 2902  
**Proper shipping name:** PESTICIDE, LIQUID, TOXIC, N.O.S. (dodine), 6.1, III,  
ENVIRONMENTALLY HAZARDOUS

**Class:** 6.1



**Packing group:** III  
**Marine Pollutant:** Yes

##### IMDG-Code

**UN number:** 2902  
**Proper shipping name:** PESTICIDE, LIQUID, TOXIC, N.O.S. (dodine)  
6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

**Clas:** 6.1



**Packing group:** III  
**Labels:** 9  
**EmS Code:** F-A,S-A  
**Marine pollutant:** Yes





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#### 15) REGULATORY INFORMATION

##### **Dodine (2439-10-3)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on Taiwan National Chemical Inventory

Listed on KECI (Korean Existing Chemicals Inventory)

Not listed on Phillipines Inventory of Chemicals and Chemical Substances (PICCS) Listed on the AICS (Australian Inventory of Chemical Substances)

##### **Ethoxylated oleyl amine, dodecylbenzenesulfonic salt (66467-20-7)**

Not listed on the Inventory of Existing Chemical Substances of China (IECSC). Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on Taiwan National Chemical Inventory

Not listed on the KECI (Chemical Inventory of Korea).

Not listed on Phillipines Inventory of Chemicals and Chemical Substances (PICCS) Not listed on the AICS (Australian Inventory of Chemical Substances)

##### **1,2-benzisothiazolone (2634-33-5)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on Taiwan National Chemical Inventory

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on PICCS (Phillippines Inventory of Chemicals and Chemical Substances) Listed on the AICS (Australian Inventory of Chemical Substances)

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 54058

#### 16) OTHER INFORMATION

Date of revision : 13 July 2020

Reason for revision : General revision.

This SDS 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 SDS 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**