



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL DPA 310 SCALD INHIBITOR
Other Names:
Chemical Group: Amine
CAS No.: None
Recommended Use: For control of superficial scald on pome fruit postharvest
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: 13 11 26 (Poisons Information Centre)

2) HAZARDS IDENTIFICATION

GHS classification: May be harmful if swallowed: Category 5

GHS Signal Words: None required

Hazard Statements : H316 : Causes mild skin irritation.
H320 : Causes eye irritation

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

Pictograms :



Precautionary statements Prevention: P264 : Wash hands thoroughly after handling.
P262 : Do not get in eyes, on skin, or on clothing
P280: Wear protective gloves, protective clothing and eye or face protection.

Precautionary statements Response: P332 +P313 : If skin irritation occurs : Get medical attention.
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P337 + P313 : If eye irritation persists: Get medical attention.

Storage : No specific precautions



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

Disposal: P501 : Dispose of contents/container in accordance with hazardous waste regulation.

Other information : Non dangerous and hazardous goods as defined by WHS.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Diphenylamine	122-39-4	310g/L
Proprietary non-hazardous ingredients	Proprietary	Balance

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.**

If inhaled: The product does not generate gases but, if inhaled as a fog, move to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call a doctor and give artificial respiration, preferably mouth to mouth if possible.

In case of skin contact: Can cause skin irritation. Carefully remove contaminated clothing and shoes immediately. Wash affected areas with mild soap and plenty of water. If skin redness or irritation or burning occurs, get medical attention.

In case of eye contact: Can cause eye irritation. Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do after the first 5 minutes of washing, then continue rinsing cautiously for several minutes. If eye irritation persists, call a doctor.

If swallowed: Ensure the person drinks water and call a Poisons Information Centre or a doctor for treatment advice. Induce vomiting if conscious. Do not give anything by mouth to an unconscious person.

First Aid facilities Ensure eye wash and safety shower are available.

Medical Attention: No information on symptoms. No specific antidote. The first aid procedure should be established in consultation with a doctor responsible for industrial medicine.

5) FIRE FIGHTING MEASURES

Extinguishing media Water spray, foam, dry chemical, carbon dioxide. Do not use water jet.

Hazard from combustion products Carbon and nitrogen oxides.



SAFETY DATA SHEET

Date of Issue: 1 December 2016

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

Not applicable

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. Diphenylamine is easily degraded by UV light.

7) HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. When using do not eat, drink or smoke. 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

Keep out of reach of children. Store in the tightly closed original container in a cool well ventilated area out of sunlight. Avoid storage below 4°C. Do not reuse empty container. Do not store with food, feed or other materials to be used or consumed by humans and animals.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards

Diphenylamine

TWA	TLV	STEL)
10 mg/m ³	10 mg/m ³	Not set

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



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

Engineering Controls	Control process conditions to avoid contact. Use in a well ventilated area only. Facilities storing or utilising this material should be equipped with an eyewash facility and safety shower. Provide mechanical ventilation for enclosed spaces.
Personal Protective Equipment	Eyes: Safety goggles. Eye wash bottle with pure water. Clothing: Impervious overalls 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 necessary unless adequate ventilation is inadequate. Does not emit vapours. If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Honey coloured viscous translucent liquid
Odour:	Slight odour
pH:	6.4 as 10% in water
Vapour pressure:	Not available.
Vapour density:	Not available
Boiling point:	100°C
Freezing/Melting point:	<4°C
Solubility:	Miscible with water.
Specific gravity:	1.03-1.05 at 20°C
Viscosity:	175 cps at 25°C
Viscosity:	Not determined
Flash point:	180°C
Flammability (explosive) limit:	Not flammable
Auto ignition temperature:	635°C
Partition coefficient (octanol/water):	Not available

10) STABILITY AND REACTIVITY

Chemical stability:	Stable at ambient temperatures.
Conditions to avoid:	Heat and open flame.
Incompatible materials :	Alkali metals, strong oxidisers
Hazardous decomposition products:	Irritating or poisonous oxides of nitrogen and carbon may form when heated to decomposition.
Hazardous reactions:	Stable under recommended storage conditions. No decomposition if used as directed.



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

10) TOXICOLOGICAL INFORMATION

Inhalation:	No data available.
Skin contact:	Causes mild skin irritation.
Eye contact:	Causes eye irritation.
Ingestion:	No data available.
Chronic toxicity:	
Germ cell mutagenicity:	Non-mutagenic
Carcinogenicity:	Not carcinogenic.
Toxic to reproduction:	NOAEL / fertility of 131mg/kg bodyweight/day NOAEL / development of 46mg/kg bodyweight/day
Specific target organ toxicity (repeated exposure):	No data available.
Acute toxicity:	
Oral toxicity:	LD ₅₀ rats : >2000 mg/kg
Dermal toxicity :	LD ₅₀ rats : >5000 mg/kg
Inhalation toxicity:	LC ₅₀ rats >5000 mg/L
Sensitisation:	No evidence of sensitisation
Respiratory sensitisation	No data available
Specific target organ toxicity (single exposure):	No data available.

11) ECOLOGICAL INFORMATION

DO NOT contaminate streams, rivers or waterway with this product or the used containers.

Ecotoxicity:	Dimethylamine : LD ₅₀ (northern bobwhite quail) : >2250 mg/kg LD ₅₀ (5d) (Mallard duck) : >5205 mg/kg LC ₅₀ (96 hr)(rainbow trout) : 2.2ppm LC ₅₀ (48 hr)(Daphnis magna) : 1.2ppm
Environmental fate, persistence and degradability, mobility	The components are degradable more than 80%. Diphenylamine is easily degraded by sunlight. Not expected to bioaccumulate. No data available on mobility in soil.



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

Identified harmful effects on environment: Toxic to fish. Contaminates soil and water.

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

12) 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. Do not reuse empty containers.

13) TRANSPORT INFORMATION

International regulation

UNRTDG Not regulated as a dangerous good.

IATA-DGR Not regulated as a dangerous good. When airlifted, Section 8.2.6 of Dangerous Goods Regulations IATA require that the air transport document includes the phrase "not restricted, according to the special provision of A3" as part of the shipping description.

IMDG-Code Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable for product as supplied.

National Regulations

ADG Code

Not considered as a dangerous good for transport by road or rail in Australia under the Australian Dangerous Goods Code.



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 39110

15) 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