



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL DIAMANTINA CITRUS WAX
Other Names:
Chemical Group: Food grade wax emulsion
CAS No.: None
Recommended Use: Coating for citrus post harvest
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
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: Skin irritation ; Category 2
Skin sensitisation : Category 1
Eye irritation : Category 2

GHS Signal Words: WARNING

Hazard Statements : H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation

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

Pictograms :



Precautionary statements Prevention: P280 : Wear protective gloves/protective clothing/eye protection/face protection.



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Precautionary statements	P302 + P352 : IF ON SKIN : Wash with plenty of water.
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. P362 + P364 : Take off contaminated clothing and wash it before reuse.
Storage :	No specific precautions
Disposal:	P501 : Dispose of contents/container in accordance with hazardous waste regulation.No specific precautions
Other information :	Dangerous and hazardous goods as defined by WHS.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Concentration
Morpholine	110-91-8	<5%
Ammonium hydroxide	1336-21-6	<1%

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:	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:	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. Wash contaminated clothing before reuse.
In case of eye contact:	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:	Call a Poisons Information Centre or a doctor for treatment advice. DO NOT induce vomiting unless told to do so by a Poisons Information Centre or a doctor. Administer water or albuminous milk (1 glass milk containing two beaten eggs). 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. Treat symptomatically. The first aid procedure should be established in consultation with a doctor responsible for industrial medicine.



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5) FIRE FIGHTING MEASURES

Extinguishing media	Not flammable. Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep containers cool.
Hazard from combustion products	None known
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	N/A

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	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. Do not reuse empty container. Do not store with food, feed or other materials to be used or consumed by humans and animals.



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards

Morpholine

TWA	TLV	STEL
20ppm		

Ammonia

TWA	TLV	STEL
17 mg/m ³ (25ppm)		24mg/m ³ (35ppm)

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

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: Suitable protective clothing.
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. If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance: Milky brown liquid.
Odour: Ammoniacal
pH: 8.3 – 9.8
Vapour pressure: Not available.
Vapour density: Not available
Boiling point: 100°C
Freezing/Melting point: Not available
Solubility: Miscible with water.
Specific gravity: 1.021-1.032 at 20°C
Viscosity: Not determined
Flash point: Not flammable
Flammability (explosive) limit: Not flammable
Auto ignition temperature: Not available



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Partition coefficient (octanol/water): Not available

10) STABILITY AND REACTIVITY

Chemical stability: Stable at ambient temperatures.

Conditions to avoid: Not available

Incompatible materials : Not available

Hazardous decomposition products: Not available

Hazardous reactions: Stable under recommended storage conditions. No decomposition if used as directed.

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: Negative

Carcinogenicity: Negative

Toxic to reproduction: Negative.

Specific target organ toxicity (repeated exposure): No known target organ effects. May cause redness and reversible irritation to eyes. Prolonged or repeated contact may cause skin irritation.

Acute toxicity:

Oral toxicity: No data available.

Dermal toxicity : No data available.

Inhalation toxicity: Under normal conditions, this material is not expected to be an inhalation hazard.

Sensitisation: No evidence of sensitisation

Respiratory sensitisation Not available



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Specific target organ toxicity (single exposure): No known target organ effects.

11) ECOLOGICAL INFORMATION

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

Ecotoxicity: As this formulation is used exclusively in post-harvest treatments in which it is applied in a controlled way in closed or confined places in fruit packing houses, analysis for terrestrial and aquatic fauna and ecosystems in general is not required.

Environmental fate, persistence and degradability, mobility Biologically readily biodegradable.

Identified harmful effects on environment: There is no other data available for this product.

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

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.



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National Regulations

ADG Code

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

14) REGULATORY INFORMATION

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