



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL CARNAUBA XTRA APPLE WAX
Other Names:
Chemical Group: Food grade wax emulsion
CAS No.: None
Recommended Use: High shine carnauba coating for apples 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 3
Eye irritation : Category 2B
Skin sensitisation : Category 1

GHS Signal Words: WARNING

Hazard Statements : H316 : Causes mild skin irritation.
H320 : Causes eye irritation
H317 : May cause an allergic skin reaction.

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

Pictograms :



Precautionary statements Prevention: P261 : Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264 : Wash hands thoroughly after handling.
P272 : Contaminated work clothing should not be allowed out of the workplace.
P280 : Wear protective clothing, chemical resistant gloves, and safety glasses.



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Date of Issue: 1 December 2016

Precautionary statements	P301 + P312 IF SWALLOWED: Call a POISONS CENTRE, doctor or physician if you feel unwell.
Response:	P302 + P352 IF ON SKIN : Wash with plenty of soap and water. P333 +P313 : If skin irritation or rash occurs : Get medical attention. P321 : Specific treatments see Section 4 First Aid Measures P362 + P364 : Take off contaminated clothing and wash it before reuse. P304 +P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 then continue rinsing cautiously. P337 + P313 : If eye irritation persists: Get medical attention.
Storage :	P233 Keep container tightly closed. P234 Keep only in original container.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.
Other information :	Dangerous and hazardous goods as defined by WHS.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Morpholine	110-91-8	<5%
Proprietary	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:	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 rash occurs, get medical attention. Wash contaminated clothing before reuse. If symptoms persist, call a doctor.
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. Do not give anything by mouth to an unconscious person.
First Aid facilities	Ensure eye wash and safety shower are available.



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

5) FIRE FIGHTING MEASURES

Extinguishing media Not flammable. Water fog or mist, carbon dioxide, foam or dry chemical.

Hazard from combustion products In a fire, formation of carbon monoxide and carbon dioxide can be expected.

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 established

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. 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 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.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards Morpholine 20ppm (OSHA 8-hr PEL, Cal/OSHA, NIOSH REL, ACGIH TLV).

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.



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

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Brownish grey liquid.
Odour:	Waxy odour
pH:	8.0 – 10.0
Vapour pressure:	Not available.
Vapour density:	Not available
Boiling point:	100°C
Freezing/Melting point:	Not available
Solubility:	Miscible with water.
Specific gravity:	1.002 at 20°C
Viscosity:	Not determined
Flash point:	Not flammable
Flammability (explosive) limit:	Not flammable
Auto ignition temperature:	Not available
Partition coefficient (octanol/water):	Not available

10) STABILITY AND REACTIVITY

Chemical stability:	Stable at ambient temperatures.
Conditions to avoid:	None known
Incompatible materials :	Alkali metals, copper
Hazardous decomposition products:	In a fire, formation of carbon monoxide and carbon dioxide can be expected.
Hazardous reactions:	Stable under recommended storage conditions. No decomposition if used as directed.



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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:	No data available.
Carcinogenicity:	No carcinogenic effects are expected due to product being comprised of ANZFSA approved food-grade ingredients..
Toxic to reproduction:	Occasional workplace exposure is not expected to present a hazard.
Specific target organ toxicity (repeated exposure):	No known target organ effects.
Acute toxicity: Oral toxicity: Dermal toxicity :	LD ₅₀ (estimate) : >5000 mg.kg (based on ingredients) LD ₅₀ (estimate) : >5000 mg.kg (based on ingredients)
Inhalation toxicity:	LC ₅₀ (estimate) : >20 mg.kg (based on ingredients)
Sensitisation:	Contains a potential skin sensitiser
Respiratory sensitisation	No data available.
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:	LC50 (96-hr) fish : >100mg/L (estimate) . Based on ingredients.
Environmental fate, persistence and degradability, mobility	No data available.
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.



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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.

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

Ingredients are approved by ANZFSA.

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