

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Carnauba Ultra Natural W-EU**  
 Item Code: 1000L 40002-1000  
                   200L 40002-200  
                   25L 40002-25  
 Product Use: Shellac and morpholine free fruit coating.  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 7 September 2018

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

**EPA Approval No: Food Additive (subsidiary) - HSR002578**

#### Pictograms



Irritant

Signal Word: Warning

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P305 +	IF IN EYES: Rinse cautiously with water for several minutes. Remove

P351+P338	contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Alkaline salts	1-10	Proprietary
Non hazardous	To Bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Clean mouth with water and drink afterwards plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

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

Symptoms:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Inhalation:</b>	Material may be an irritant to mucous membranes and respiratory tract.
<b>Skin:</b>	Not applicable.
<b>Eyes:</b>	Causes severe eye irritation.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable
<b>Hazards from products</b>	Non-combustible material. On decomposition: Oxides of carbon and nitrogen, smoke and other toxic fumes.
<b>Suitable Extinguishing media</b>	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
<b>Precautions for firefighters and special protective clothing</b>	Not applicable.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

## Section 6. Accidental Release Measures

### Small Spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### Large Spills

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Avoid eye contact and skin contact.
- Avoid inhalation of vapour, mist or aerosols.
- Wear protective clothing as detailed in Section 8.

### Precautions for Storage:

- Keep out of reach of children.
- Store in a cool, dry, well-ventilated place and out of direct sunlight.
- Store away from foodstuffs.
- Store away from incompatible materials described in Section 10.
- Store away from sources of heat and/or ignition.
- Keep container standing upright.
- Keep containers closed when not in use - check regularly for leaks.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

### Engineering Controls

Natural ventilation should be adequate under normal use conditions.

### Personal Protection



<b>Eyes</b>	Wear goggles with side shields. Avoid wearing contact lenses.
<b>Hands and Skin</b>	Wear protective gloves. Available information suggests that gloves made from neoprene, polyethylene, polyvinyl chloride (PVC) should be suitable for intermittent contact.

<b>Respiratory</b>	Not required.
<b>General</b>	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid - Aqueous Formulation
<b>Colour</b>	Opaque, brown.
<b>Odour</b>	Faint waxy
<b>Odour Threshold</b>	Not available
<b>pH</b>	8.0 – 9.0
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity (20°C)</b>	1.005-1.015
<b>Solubilities</b>	Completely soluble with water.
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Size</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Elevated temperatures and sources of ignition.
<b>Incompatible Materials</b>	Oxidising agents.
<b>Hazardous Decomposition Products</b>	Oxides of carbon and nitrogen, smoke and other toxic fumes.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. >2000mg/kg
<b>Dermal</b>	Not applicable. >2000mg/kg
<b>Inhalation</b>	Material may be an irritant to mucous membranes and respiratory tract. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas.
<b>Eye</b>	Causes severe irritation to eyes
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive</b>	Not applicable.

<b>Toxicity</b>	
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment. Acute toxicity estimate (based on ingredients): >100 mg/L

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

## Section 13. Disposal Considerations

**Disposal Method:** Triple rinse and dispose according to Local Regulations.

**Precautions and methods to avoid:** Do not allow to enter waterways

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

EPA Approval Code: Food Additive (subsidiary) - HSR002578

HSNO Classification: 6.4A

HSNO Controls:

**Trigger quantities:**

	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	None

## Section 16 Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible

Product Name: Carnuba Ultra Natural w-EU  
Date of SDS: 7 September 2018

Issued by: Technical Compliance Consultants (NZ) Ltd  
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UEL  
WES

authority.  
Upper Explosive Level  
Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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Please contact the New Zealand distributor, if further information is required.

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