



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 January 2008

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL VACATE WAX REMOVER
Other Names: None
Chemical Group: Mixture of alkalis.
Recommended Use: For removal of fruit coating deposits from fruit handling equipment.
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: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - DANGEROUS GOOD

Hazardous classification: Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)
Risk phrases:
Safety phrases: See sections 4,5,6,7,8,10,12,13
ADG Classification 8
SUSDP classification: 6 (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Sodium hydroxide	1310-73-2	<25%
Potassium hydroxide	1310-58-3	<20%

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 Material Safety Data Sheet to the doctor.

Inhalation: If inhaled remove to fresh air and keep at rest. If not breathing, give artificial respiration. Get medical attention.
Skin Contact: Carefully remove contaminated clothing. Wash affected areas plenty of water. If redness, burning, or irritation develops, contact a doctor or Poisons Information Centre.



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4) FIRST AID MEASURES continued

Eye contact: Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid.

Ingestion: Call a doctor or Poisons Information Centre immediately for treatment advice. Rinse mouth thoroughly with copious amounts of water. Give a cup of water to drink. Do NOT induce vomiting. Keep patient at rest. Do not give anything by mouth to an unconscious person.

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

Medical Attention: No specific advice.

5) FIRE FIGHTING MEASURES

Extinguishing media Non combustible. Water spray, foam, dry chemical, carbon dioxide (CO₂)

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 extinguishing agent and spillage safely later. Do not release contaminated water into the environment.

Hazchem Code 2X

6) ACCIDENTAL RELEASE MEASURES

Neutralise with weak acid. Neutralisation reaction may generate heat and fumes which can be controlled by rate of addition. 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. 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 vapour or 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 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. Protect from frost.

Flammability Not combustible



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	Exposure limit of sodium and potassium hydroxide is 2 mg/m ³ (ceiling).
Biological Limit Values	None allocated
Engineering Controls	Control process conditions to avoid contact. Use in a well ventilated area only.
Personal Protective Equipment	Eyes: Safety goggles or face shield if exposure is possible Clothing: Chemical resistant disposable overalls and PVC boots. Gloves: Chemical resistant PVC or nitrile gloves Respiratory: Not normally required. If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Brown liquid
Odour:	No odour
Vapour pressure:	Not available.
Vapour density:	Not available
Boiling point:	ca. 100°C
Freezing/Melting point:	Not available
pH:	>13
Solubility:	Soluble in water
Specific gravity:	1.35 at 20°C
Flash point:	Not flammable
Flammability (explosive) limit:	Not applicable
Auto ignition temperature:	Not applicable
Partition coefficient (octanol/water):	The product is soluble in water.

10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Exothermic reaction with acid and strong oxidisers. Reacts with aluminium, zinc, tin and alloys of these three metals with liberation of hydrogen which is flammable and forms an explosive mixture with air.
Incompatible materials :	Acids; aluminium, zinc and tin and their alloys, oxidising agents and organic peroxides.
Hazardous decomposition products:	None known.
Hazardous reactions:	No data other than above.



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11) TOXICOLOGICAL INFORMATION

Inhalation:	Inhaled as spray or mist, may irritate mucous membranes of nose and mouth.
Skin contact:	Causes irritation - itching or burning skin.
Eye contact:	Corrosive and may cause burns. Pain, tearing and redness in eyes.
Ingestion:	Corrosive, may be harmful

ANIMAL TOXICITY DATA

<u>Acute:</u>	
Oral toxicity	LD ₅₀ (rats) : 273 mg/kg (potassium hydroxide)
Dermal toxicity:	No data
Inhalation toxicity:	No data
Skin irritation:	Corrosive irritant
Eye irritation:	Corrosive irritant.
Sensitisation:	No data

Chronic:
No data.

12) ECOLOGICAL INFORMATION

May cause adverse effects in the aquatic environment.
DO NOT contaminate streams, rivers or waterway with Vacate or the used containers.

Ecotoxicity:	Mosquito fish LC ₅₀ (24-hours) : 80mg/L
Environmental fate, persistence and degradability, mobility	No data

12) DISPOSAL CONSIDERATIONS

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.



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13) TRANSPORT INFORMATION

UN Number: 1719
Proper Shipping name: CAUSTIC ALKALI LIQUIDS NOS (contains sodium hydroxide, potassium hydroxide)
Class and subsidiary risk: 8
Packing Group: II
EPG:
Hazchem code: 2X

14) REGULATORY INFORMATION

15) OTHER INFORMATION

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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

END OF MSDS