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Issue Date: January 2010

## MATERIAL SAFETY DATA SHEET

Classified as Hazardous according to criteria of NOHSC

### COMPANY DETAILS

<b>Company Name</b>	Polo Citrus Australia Pty Ltd (ABN 18 064 601 332)
<b>Address</b>	PO Box 576 Melton Vic 3337 Australia
<b>Emergency Tel.</b>	1 300 369 422
<b>Tel/Fax</b>	Tel: 1 300 369 422
<b>Other Information</b>	Visit our website: <a href="http://www.polocitrus.com.au">www.polocitrus.com.au</a>

### IDENTIFICATION

<b>Product Name</b>	Polo Haulage DC
<b>Shipping Name</b>	None Allocated
<b>UN Number</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Packing Group</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Poisons Schedule</b>	Not Scheduled
<b>Product Use</b>	Supplied as a citrus-based dust control agent for use in suitable applications only.

### Physical Data

<b>Melting Point</b>	Less than 0 °C
<b>Boiling Point</b>	Approximately 100 °C
<b>Vapour Pressure</b>	2 kPa typical @ 20 °C
<b>Flash Point</b>	Product does not have a flash point
<b>Flamm. Limit LEL</b>	Not applicable
<b>Flamm. Limit UEL</b>	Not applicable
<b>Explosion Data</b>	Not considered an explosion risk under normal conditions of use
<b>Solubility in Water</b>	Soluble
<b>Density</b>	Approximately 1.0 kg/L @ 15 °C

### Other Properties

<b>Autoignition Temp.</b>	Not applicable
<b>Evaporation Rate</b>	Less than 1 (n-butyl acetate = 1)
<b>Vapour Density</b>	Greater than air
<b>pH Value</b>	Approximately 7-8 @ 20 °C
<b>Odour</b>	Citrus
<b>Viscosity</b>	Approximately 50 mm <sup>2</sup> /s @ 40 °C (kinematic)
<b>Colour</b>	Clear yellow/orange
<b>Form</b>	Liquid
<b>Stability</b>	Stable under normal conditions of use
<b>Haz. Polymerization</b>	Will not occur
<b>Materials to Avoid</b>	Strong oxidising agents
<b>Other Information</b>	These physical data and other properties do not constitute a specification

## Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Organic sulfur compounds	Mixture	0-30 %
	Orange oil	5989-27-50	10 %
	Aliphatic alkanal derivatives	Mixture	0-10 %
	Phenol derivatives	Mixture	0-10 %
	Ingredients determined not to be hazardous	Mixture	To 100%

## HEALTH HAZARD INFORMATION

### Health Effects

<b>Acute - Swallowed</b>	May cause mild gastric irritation if swallowed.
<b>Acute - Eye</b>	A mild eye irritant.
<b>Acute - Skin</b>	Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to dermatitic effects.
<b>Acute - Inhaled</b>	Inhalation of mists or aerosols may produce respiratory irritation.
<b>Chronic</b>	Generally non-irritant on incidental contact. Excessive or prolonged contact may give rise to irritant or dermatitic effects. May cause sensitisation by skin contact.

### First Aid

<b>Swallowed</b>	Give water to drink. DO NOT induce vomiting. Seek medical advice. If vomiting occurs get immediate medical attention due to aspiration risk.
<b>Eye</b>	Immediately irrigate with copious quantity of water for at least 15 minutes.
<b>Skin</b>	Eyelids to be held open. Seek medical advice if effects persist. Wash with plenty of soap and water. If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.
<b>Inhaled</b>	Remove victim from exposure - avoid becoming a casualty. Seek medical advice if effects persist.
<b>First Aid Facilities</b>	Normal washroom facilities are generally suitable. Ensure an eyewash station and safety shower are available and ready for use.
<b>Other Information</b>	Keep water and mild soap near work site.

### Advice to Doctor

<b>Advice to Doctor</b>	Treat symptomatically. Aspiration is main danger. Intubation is recommended prior to any emesis due to foaming properties.
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### Other Health Hazard Information

<b>Acute Toxicity - Oral</b>	LD50 expected to be > 2000 mg/kg.
<b>Skin Sensitisation</b>	May cause skin sensitization.

## PRECAUTIONS FOR USE

<b>Exposure Limits</b>	No exposure standard has been established for this product.
<b>Other Exposure Info.</b>	Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL). Occupational exposure limits: When an exposure standard has not been established by the National Occupational Health & Safety Commission for a material, a

blanket recommendation of 5 mg/m<sup>3</sup> for respirable vapours, mists and dusts should be used.

**Eng. Controls** Maintain concentration below recommended exposure limit. Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or where no exposure standard is allocated, as low as is reasonably practicable.

**Personal Protection**

**Respirator Type**  
(AS 1716)

Respirator not normally required.  
Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated and the occupational exposure limit of the product is exceeded, use appropriate AS/NZS 1715/1716 approved half-face filter respirator suitable for organic vapours or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content of the air is unknown.

**Eye Protection**

Safety glasses, goggles or faceshield as appropriate.

**Glove Type**

PVC, neoprene or nitrile rubber gloves.

**Clothing**

Overalls or similar protective apparel.

**Footwear**

Enclosed footwear.

**Work/Hygienic Practices**

PVC or rubber boots.

Always wash hands before smoking, eating, drinking or using the toilet. If contamination occurs, change clothing. Avoid carrying contaminated rags in pockets or wearing soaked clothing. Discard internally contaminated gloves and footwear.

Launder contaminated clothing before reuse.

**Flammability**

**Fire Hazards**

Non combustible. Non flammable. Product residue, following evaporation of liquid content will burn in the presence of an ignition source.

**SAFE HANDLING INFORMATION**

**Storage and Transport**

**Storage Precautions**

Keep containers closed at all times. Store in cool place and out of direct sunlight. Store away from oxidizing agents.

Check containers regularly for leaks.

**Transport**

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Handling**

Ensure the appropriate personal protective equipment is used when handling this material. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages.

**Proper Shipping Name**

None Allocated

**Spills and Disposal**

**Spills & Disposal**

Slippery when spilt. Avoid accidents, clean up immediately. Use absorbent (soil or sand, sawdust, inert material, vermiculite). Collect and seal in properly labelled drums for disposal. Observe local regulations. Wash away residues with water.

<b>Fire/Explosion Hazard</b>	Low hazard
<b>Fire/Explos. Hazard</b>	Decomposition products may include: a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, carbon dioxide, soot, oxides of sulfur, and unidentified organic and inorganic compounds.
<b>Hazardous Decomposition or Byproducts</b>	
<b>Fire Fighting Procedures</b>	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.
<b>Extinguishing Media</b>	Use extinguishing media suitable for surrounding environment as this product is unlikely to burn.
<b>Hazardous Reaction</b>	May react with strong oxidising agents.
<b>Hazchem Code</b>	None Allocated

### **OTHER INFORMATION**

<b>Short Summary of Assessment of Environmental Impact</b>	The product is based on substances that are classified as 'readily biodegradable' according to AS4351/ISO 7827.
<b>Environ. Protection Risk Statement</b>	Do not allow material to enter drains or waterways. R36 Irritating to eyes. R43 May cause sensitization by skin contact.
<b>Safety Statement</b>	S2 Keep out of reach of children. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water.
<b>Hazard Category</b>	Irritant
<b>References</b>	*NOHSC:2011 National Code of Practice for the Preparation of Material Safety Data Sheets * NOHSC:1008 Approved Criteria for Classifying Hazardous Substances * NOHSC:10005 List of Designated Hazardous Substances * NOHSC:1005 Control of Workplace Hazardous Substances, National Model Regulations * NOHSC:2007 Control of Workplace Hazardous Substances, National Code of Practice * NOHSC:1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards * NOHSC:3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note * NOHSC:1015 Storage and Handling of Workplace Dangerous Goods, National Standard * NOHSC:2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice * SUSDP, Standard for the Uniform Scheduling of Drugs and Poisons * ADG, Australian Dangerous Goods Code * MSDS of component materials
<b>Last Change</b>	Supersedes issue date: October 2005. Reason/s for revision: Review of MSDS in line with regulation.

### **CONTACT POINT**

**Contact** Managing Director 1300 369 422

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty.

The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Material Safety Data Sheets are updated frequently. Please ensure you have a current copy.

...End Of MSDS...