



PO Box 576, Melton, Vic 3337 p: 03 97468488 f: 03 97468477 e: info@polocitrus.com.au w: www.polocitrus.com.au abn: 18 064 601 332

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COMPANY DETAILS

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

IDENTIFICATION

Product Name	Citrus Gold
Shipping Name	None Allocated
UN Number	None Allocated
DG Class	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled
Product Use	Supplied as a powerful ready to use antibacterial cleaner.

Physical Data

Boiling Point	Approximately 100 °C
Vapour Pressure	2 kPa typical @ 20 °C
Flash Point	Product does not have a flash point
Flamm. Limit LEL	Not applicable
Flamm. Limit UEL	Not applicable
Explosion Data	Not considered an explosion risk under normal conditions of use
Solubility in Water	Soluble
Density	Approximately 1 kg/L @ 15 °C

Other Properties

Corrosiveness	Not corrosive.
Oxidising Properties	Not classified as an oxidiser.
Autoignition Temp.	Not applicable
Evaporation Rate	Less than 1 (n-butyl-acetate = 1)
Vapour Density	Greater than air
pH Value	Approximately 10.5 @ 20 °C
Odour	Citrus
Colour	Yellow
Form	Liquid
Stability	Stable under normal conditions of use
Haz Polymerization	Will not occur
Materials to Avoid	Strong oxidising agents and acids
Other Information	These physical data and other properties do not constitute a specification

Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Quaternary ammonium compound	N/A	0-5 %
	Glycol ethers		Mixture 0-5%
	Orange Oil	5989-27-5	0-5%
	Ingredients determined not to be hazardous	Mixture	To 100%

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	May cause mild gastric irritation if swallowed.
Acute - Eye	May cause watering of eyes.
Acute - Skin	Generally non-irritant on incidental contact. Excessive or prolonged contact may give rise to slight irritation.
Acute - Inhaled	Product is not expected to be irritating to the nose, throat or respiratory tract.
Chronic	Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

First Aid

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

Advice to Doctor

Advice to Doctor	Treat symptomatically.
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Other Health Hazard Information

Irritancy of Product	Not classified as an irritant.
Sensitization of Product	Not classified as a sensitiser.
Reproductive Toxicity	Reproductive toxicity not expected.
Carcinogenicity	Product is not a known carcinogen.

PRECAUTIONS FOR USE

Exposure Limits	No exposure standard has been established for this product.
Other Exposure Info.	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 ³ 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

Always wash hands before smoking, eating, drinking or using the toilet.

Practices

If contamination occurs, change 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.

Transport

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

Proper Shipping

None Allocated

Name

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.

Fire/Explosion Hazard

Fire/Explos. Hazard

Low hazard

Hazardous

Non combustible. Non flammable.

Decomposition or

Byproducts

Hazardous decomposition products are not expected to form during normal storage. This product is unlikely to decompose at temperatures normally achieved in a fire. Likely to decompose only after heating to dryness followed by further strong heating. Decomposition products may include: a complex mixture of airborne solid and liquid particulates and gases, such as carbon monoxide, carbon dioxide, soot, oxides of nitrogen, and unidentified organic and inorganic compounds.

Fire Fighting Procedures	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.
Extinguishing Media	Use extinguishing media suitable for surrounding environment as this product is unlikely to burn.
Hazardous Reaction Hazchem Code	May react with strong oxidising agents and acids. None Allocated

OTHER INFORMATION

Toxicology	Estimated Oral LD50 (rat): greater than 2000 mg/kg.
Short Summary of Environmental Impact	The product is based on natural substances which are classified as "readily biodegradable" according to AS4351/ISO 7827.
Environ. Protection	Avoid contaminating waterways.
Pkg. & Labelling	No special packaging or labelling requirements.
References	*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
Last Change	Supersedes issue date: not applicable. 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...