



Polo Citrus Australia Pty Ltd

ABN: 18 064 601 332

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Issue Date: April 2013

MATERIAL SAFETY DATA SHEET

Not Classified as Hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name Polo Citrus Australia Pty Ltd (ABN 18 064 601 332)
Address PO Box 3009 Strathmore Vic 3041 Australia
Emergency Tel. 1300 369 422
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Other Information Visit our website: www.polocitrus.com.au

IDENTIFICATION

Product Code 3040
Product Name Water Clear
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 citrus-based solution for the control of Salvinia Molesta, Red Azolla and Lemna in ponds and other suitable applications only.
Other Information Refer to Product Brochure for further details.

Physical Data

Melting Point Less than 5 °C
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 1.0 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 7.5 @ 20 °C
Odour Citrus
Viscosity Approximately 50 mm²/s @ 40 °C (kinematic)
Colour Yellow/orange
Form Liquid
Stability Stable under normal conditions of use

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Haz. Polymerization Will not occur
Materials to Avoid Strong oxidising agents
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>
	Orange Oil	8028-48-6	0-10%
	Mixture of soaps and detergents	Mixture	0-30%
	Ingredients determined not to be hazardous	Mixture	100 %

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed May cause mild gastric irritation if swallowed.
Acute - Eye A moderate eye irritant.
Acute - Skin May cause sensitisation.
Acute - Inhaled Inhalation of mists or aerosols may produce respiratory irritation.
Chronic Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

First Aid

Swallowed Give water to drink. DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 03 4747 000) or a doctor.
Eye Immediately irrigate with copious quantity of water for at least 15 minutes.
Skin Eyelids to be held open. Seek medical advice if effects persist.
Wash with plenty of soap and water. If irritation occurs seek medical advice.
Inhaled Remove contaminated clothing and wash before re-use.
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.

Other Health Hazard Information

Irritancy of Product Classified as an eye irritant.
Sensitization of Product May cause sensitisation by skin contact.
Teratogenicity No teratogenic effects known.
Reproductive Toxicity Reproductive toxicity not expected.
Mutagenicity Mutagenic effects not known.
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/m³ 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
Glove Type
Clothing
Footwear

Safety glasses, goggles or faceshield as appropriate.
PVC, neoprene or nitrile rubber gloves.
Overalls or similar protective apparel.
Enclosed footwear.
PVC or rubber boots.

Work/Hygienic Practices

Always wash hands before smoking, eating, drinking or using the toilet. If contamination occurs, change clothing. Discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse.

Flammability

Fire Hazards

Product residue, following evaporation of liquid content will burn in the presence of an ignition source. Not considered a fire or explosion hazard.

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.

Fire/Explosion Hazard

Fire/Explos. Hazard	Low hazard
Hazardous Decomposition or Byproducts	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.
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	May react with strong oxidising agents.
Hazchem Code	None Allocated

OTHER INFORMATION

Toxicology	Estimated Oral LD50 (rat): greater than 2000 mg/kg.
Short Summary of Assessment of Environmental Impact	The product is based on substances that are classified as 'readily biodegradable' according to AS4351/ISO 7827.
Environ. Protection Risk Statement	Do not allow material to enter drains or waterways. R36 Irritating to eyes. R43 May cause sensitization by skin contact.
Safety Statement	S2 Keep out of reach of children. S24/25 Avoid contact with skin and 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. S3/9/49 Keep only in the original container in a cool, well ventilated place. S37/39 Wear suitable gloves and eye/face protection.
Pkg. & Labelling	Label with statement: Application to skin may increase sensitivity to sunlight.
Registration No. issued by the Fed. Office	NRA Approval No.: 47864/0897
Hazard Category	Irritant
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: January 2010. Reason/s for revision: Review of MSDS in line with regulation.

CONTACT POINT

Contact

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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...