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Issue Date: January 2010

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 576 Melton
Vic 3337 Australia
Emergency Tel. 1300 369 422
Tel/Fax Tel: 1300 369 422
Other Information Visit our website: www.polocitrus.com.au

IDENTIFICATION

Product Code 3011
Product Name Polo DDD
Shipping Name None Allocated
UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule S5
Product Use Formulated for effective cleaning and disinfecting of washrooms, toilets, urinals, showers, change rooms, drains, sinks, garbage disposal areas and bars. Removes lime scale, rust and organic deposits.

Physical Data

Melting Point Less than 0 °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 May be corrosive to some metals (aluminium, tin, zinc and their alloys)
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 12 to 13 @ 20 °C
Odour Mild lemon
Viscosity Approximately 5 mm²/s @ 40 °C (kinematic)
Colour Clear dark green
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
Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
alkaline sodium salts	N/A	0-30 %
GLYCOL ETHER	N/A	0-30 %
Organic sulfate	N/A	0-30 %
Chlorinated phenol derivatives	N/A	0-30 %
Alicyclic hydrocarbons	N/A	0-30 %
Ingredients determined not to be hazardous	Mixture	To 100%

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed May cause irritation to the mouth, esophagus and stomach. Vomiting may lead to aspiration into the lungs with a possibility of a type of pneumonia.

Acute - Eye A severe eye irritant. Contamination of eyes can result in permanent injury.

Acute - Skin Contact with skin will result in moderate irritation. Will have a defatting effect on the skin. Rare individual responses to dyes or perfumes are possible.

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 attention.
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 a skin and eye irritant.

Sensitization of Product Not known to be a sensitiser.

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/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 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	Non combustible. Non flammable. Product residue, following evaporation of liquid content will burn in the presence of an ignition source.
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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 or 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	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. Wash away residues with water.

Fire/Explosion Hazard

Fire/Explos. Hazard
Hazardous
Combustion Products

Low hazard
Combustion 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
Extinguishing Media

Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.
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
Short Summary of
Assessment of
Environmental Impact
Environ. Protection

Estimated Oral LD50 (rat): greater than 2000 mg/kg.
The product is based on substances that are classified as 'readily biodegradable' according to AS4351/ISO 7827.

Risk Statement

Do not allow material to enter drains or waterways.
Disinfectants are toxic to aquatic organisms.
R38 Irritating to skin.

Safety Statement

R41 Risk of serious damage to eyes.
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.
S37/39 Wear suitable gloves and eye/face protection.

Pkg. & Labelling

SUSDP A: For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 03 4747 000 [not after May 2005] or 0800 764 766) or a doctor. SUSDP G3: If swallowed, do NOT induce vomiting. SUSDP E2: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. SUSDP S2: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

Hazard Category
References

Irritant
*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

Supersedes issue date: October 2005.
Reason/s for revision: Review of MSDS in line with regulation.

Last Change

CONTACT POINT

Contact

Managing Director 1 300 369 422

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...