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Issue Date: September 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
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IDENTIFICATION

Product Code 3008
Product Name Polo Hand Sanitiser
Shipping Name Ethanol Solution (Ethyl Alcohol Solution)
UN Number 1170
DG Class 3
Packing Group II
Hazchem Code 2 [Y] E
Product Use Waterless hand cleaner.

Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Denatured Alcohol	64-17-05	30-70 %
	Isopropyl Alcohol	67-63-0	1-5 %
	Ingredients determined not to be hazardous	Mixture	To 100%

FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Effects may be delayed. Seek medical advice.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

First Aid

Swallowed	Give water to drink. DO NOT induce vomiting. Seek medical advice. If vomiting occurs get immediate medical attention due to aspiration risk.
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
Skin	Wash with plenty of soap and 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.

<u>Advice to Doctor</u>	
Advice to Doctor	Treat symptomatically. Aspiration is main danger. Intubation is recommended prior to any emesis due to foaming properties.

FIRE/EXPLOSION HAZARD

Specific hazards: Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire fighting further advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: 2[Y]E.

Suitable extinguishing media: If material is involved in a fire use foam, dry agent (carbon dioxide, dry chemical powder).

ACCIDENTIAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

HANDLING AND STORAGE

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	Classed as a class3 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.

PRECAUTIONS FOR USE

Exposure Limits

<u>Name</u>	<u>STEL</u>		<u>TWA</u>	
	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>
Ethanol			1880	1000
Isopropyl Alcohol	1230	500	983	400

Eng. Controls Natural ventilation should be sufficient, however where vapours or mists are generated the use of a local exhaust ventilation system (drawing vapours/mists away from workers breathing zone) is recommended.

Personal protection equipment: OVERALLS, SAFETY SHOES.

When handling individual retail packs no personal protection equipment is required. Wear standard safety equipment - overalls and safety shoes. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

PHYSICAL AND CHEMICAL PROPERTIES

Form	Clear viscous gel
Colour	Colourless
Odour	Alcoholic
Solubility	Soluble in water
Specific Gravity	0.9 @ 20°C
Relative Vapour Density	Not Available
Vapour Pressure (20 °C)	Not Available
Flash Point	23.3
Flammability Limits (%):	Not Available
Autoignition Temperature (°C)	Not Available
Melting Point/Range (°C)	Not Available
Boiling Point/Range (°C)	Not Available
pH	7-8

STABILITY AND REACTIVITY

Chemical stability	This material is thermally stable when stored and used as directed.
Conditions to avoid	No information available.
Incompatible Materials	Oxidising agents.
Hazardous decomposition products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous reactions	No information available.

TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Material may be irritant to mucous membranes and respiratory tract.
Skin contact	Repeated or prolonged skin contact may lead to irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Eye contact	May be an eye irritant.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Long Term Effects	No information available for product.
Acute toxicity / Chronic toxicity	No LD50 data available for the product.

ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity	No information available.
Persistence and degradability	No information available.
Mobility	No information available.

DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN No	1170
Dangerous Goods Class	3
Packing Group	II
Hazchem Code	2[Y]E
Emergency Response Guide No	14
Proper Shipping Name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Segregation Dangerous Goods:	Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidizing agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No	1170
Dangerous Goods Class	3
Packing Group	II
Proper Shipping Name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No	1170
Dangerous Goods Class	3
Packing Group	II
Proper Shipping Name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

REGULATORY INFORMATION

Poisons Schedule (Aust): Not applicable

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

OTHER INFORMATION

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.
Safety Statement	R36 Irritating to eyes. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 Wear eye/face protection.
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

Initial MSDS

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...