

Material Safety Data Sheet

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Infosafe No. 5FUM2 Issue Date : August 2005 ISSUED by POLO

Product Name : **ADVANTAGE Oven & Grill Cleaner**

Classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name ADVANTAGE Oven & Grill Cleaner
Product Code 3394
Product Use Supplied as a heavy duty oven and grill cleaner, for use in suitable applications only.
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
Telephone/Telex Number Tel: 1300 369 422
Other Information Visit our website: www.polocitrus.com.au

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion
	Sodium hydroxide	1310-73-2	300 g/L
	Water	7732-18-5	70-90 %
	Ingredients determined not to be hazardous		To 100%

3. HAZARDS IDENTIFICATION

Causes severe burns.
Risk of serious damage to eyes.

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. SEEK IMMEDIATE MEDICAL ATTENTION.

Ingestion DO NOT INDUCE VOMITING. Immediately wash out mouth with water and then give plenty of water to drink. SEEK IMMEDIATE MEDICAL ATTENTION.

Skin Remove all contaminated clothing. Wash gently and thoroughly with water for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. If contact is more than of minor nature, SEEK MEDICAL ATTENTION.

Eye If contact with the eye(s) occur, wash with copious amounts of water for approximately 20 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. SEEK IMMEDIATE MEDICAL ATTENTION.

First Aid Facilities Safety showers, eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically and as for strongly alkaline corrosive material.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use appropriate fire extinguisher for surrounding environment.

Specific Hazards Not combustible, however reaction with metals will produce flammable hydrogen gas which will burn if ignited.

Precautions in connection with Fire Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

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Spills & Disposal Slippery when spilt. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination. Contain using sand and soil - prevent runoff into drains and waterways. Use absorbent (soil or sand, inert material, vermiculite). Collect and seal in properly labelled containers for disposal. Caution - heat may be evolved on contact with water. If contamination of sewers or waterways has occurred advise the local emergency services. Waste Disposal Method: Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Can be dissolved carefully in water and greatly diluted or carefully neutralised with dilute acid and flushed to drain with copious amounts of water. Alternatively, normally suitable for disposal at approved land waste site.

7. HANDLING AND STORAGE

Handling Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet.

Storage Keep containers closed at all times. Store away from acids and ammonium salts. Do not store in aluminium or galvanised containers or use die-cast zinc or aluminium bungs. Steel bungs should be used. Reacts exothermically with water. Heat evolved may cause boiling and spattering. At temperatures greater than 40 °C tanks must be stressed relieved. Check regularly for spills and leaks.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Sodium hydroxide			2		
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.					
Eye Protection	The use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.					
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.					
Body Protection	The use of plastic apron, sleeves, overalls, and rubber boots are recommended.					
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.					
Hygiene Measures	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point	Approximately 10 °C
Solubility in Water	Soluble
Boiling Point	Approximately 140 °C
pH Value	Approximately 12.5 (1% v/v dilution in water)
Vapour Pressure	Not available
Colour	Pale amber

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Density	Approximately 1.26 kg/L @ 15 °C
Flash Point	Not applicable
Flammability	Non combustible material.
Flammable Limits LEL	Not applicable
Flammable Limits UEL	Not applicable
Other Information	These typical properties do not constitute a specification

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use
Hazardous Polymerization	Will not occur
Materials to Avoid	Corrosive to aluminium, zinc and tin, liberating flammable hydrogen gas. Reacts violently with acids. Reacts with ammonium salts liberating ammonia gas. Absorbs carbon dioxide from air. Reacts exothermically on dilution with water.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No LD50 data available for product, however, for the component solid sodium hydroxide (1): Intraperitoneal LD50 (mouse): 40 mg/kg Oral Lowest Lethal Dose (rabbit): 500 mg/kg SKIN (rabbit): severe irritation 500 mg/24 h EYES (rabbit): severe irritation 1 mg/30 s rinse Highly corrosive to any tissue with which it comes into contact. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Low systemic toxicity.
Inhalation	Inhalation of mists will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema. Inhalation of mists at elevated temperatures will increase these symptoms.
Ingestion	Will cause severe irritation and chemical burns to the gastrointestinal tract. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and subsequent suffocation, perforation of the gastrointestinal tract, cardiovascular collapse and coma.
Skin	Will cause severe irritation and chemical burns in contact with the skin, which will result in itching, redness, swelling and tissue destruction.
Eye	Corrosive to eyes; contact can cause corneal burns, possible permanent eye damage and blindness.
Chronic Effects	Chronic effects are unlikely due to the severity of acute effects.

12. ECOLOGICAL INFORMATION

Environ. Protection	Avoid contaminating waterways.
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13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

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This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:

- Class 1, Explosives
 - Class 4.3, Dangerous When Wet Substances
 - Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides
 - Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
 - Class 7, Radioactive Substances
- and are incompatible with food and food packaging in any quantity.

U.N. Number 1824
Proper Shipping Name SODIUM HYDROXIDE SOLUTION
DG Class 8
Hazchem Code 2R
Packaging Method 5.9.8RT8
Packing Group II
EPG Number 8A1
IERG Number 37

15. REGULATORY INFORMATION

Risk Phrase R35 Causes severe burns.
R41 Risk of serious damage to eyes.

Safety Phrase S23 Do not breathe gas/fumes/vapour/spray
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.
S37/39 Wear suitable gloves and eye/face protection.
S38 If insufficient ventilation, wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell seek medical advice immediately
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule S6
Hazard Category Very Corrosive

16. OTHER INFORMATION

Contact Person/Point General Manager 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.

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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: 07/2005.
Reason/s for revision: Brand changed.
...End Of MSDS...