

1. Chemical Product and Company Identification

Product Name	Solo Pak BBQ and Grill Cleaner
Other Means of Identification	None
Product Code	5lt:XXXX, 20lt: XXXX
Product Use	Water based heavy duty degreaser for Commercial Kitchens
Supplier	Solo Pak Pty Ltd
ABN	29 076 652 269
Mail Address	PO Box 67, Brisbane Markets QLD, 4106
Email	sales@solopak.com.au
Telephone:	1300 307 755
Emergency Telephone:	Poisons Information Centre (National) 131126

2. Hazards Identification

Classification of the substance or mixture

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

HAZARDOUS SUBSTANCE. DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

GHS Classification	Acute toxicity, oral – Category 5 Skin corrosion – Category 1 Serious eye damage – Category 1
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GHS Label Elements



SIGNAL WORD | **DANGER**

Hazard Statement(s)

H303 H314	May be harmful if swallowed. Causes severe skin burns and eye damage.
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Prevention(s)

P102	Keep out of reach of children.
P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P262	Do not get in eyes, on skin, or on clothing.

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P264 | Do not eat, drink or smoke when using this product.
 P270 | Wash contacted areas thoroughly after handling.
 P273 | Avoid release to the environment.
 P280 | Wear protective gloves / protective clothing / eye protection / face protection.
 Refer to the SDS before using this product

Response

P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 | IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
 P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 | Immediately call a POISON CENTER or doctor/physician.

Storage

P405 | Store locked up

Disposal

P501 | Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

(Listed when present at 1% or greater, carcinogens at 0.1% or greater)

Chemical Name	CAS Registry Number	% Weight	Hazard Classification
Sodium Metasilicate Pentahydrate	10213-79-3	<10	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H336: STOT SE 3
Potassium Hydroxide	1310-58-3	<5	H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage.
TetraPotassium PyroPhosphate	7320-34-5	<5	H319: Causes serious eye irritation
Alkyl polyglucosides	9016-45-9	<5	H318 Causes serious eye damage. H402 Harmful to aquatic life.
Dipropylene glycol monomethyl ether	34590-94-8	<5	H227: Combustible liquid. H335: May cause respiratory irritation.
Ingredients determined to be non-hazardous	Various	10 – 30	None
Water	7732-18-5	> 60	None

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor. If swallowed, do NOT induce vomiting. Immediately give a glass of water.
Inhalation	If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay.
Skin:	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Eyes	If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Ingestion:	If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media	The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into
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Fire Fighting	<p>account surrounding areas. Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider: foam. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses.</p>
Fire and Explosion Hazards	<p>Use fire fighting procedures suitable for surrounding area. The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers. Decomposes on heating and produces toxic fumes of: carbon dioxide (CO₂), phosphorus oxides (PO_x), metal oxides, other pyrolysis products typical of burning organic material. May emit corrosive fumes.</p>

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Minor Spills	<p>Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite.</p>
Major Spills	<p>Minor hazard. Clear area of personnel. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment as required.</p>

7. Precautions for handling and storage

Precautions for safe handling

Precautions for Safe Handling	<p>Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. DO NOT allow clothing wet with material to stay in contact with skin</p>
Other Information	<p>Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers.</p>

Conditions for safe storage, including any incompatibilities	
Suitable containers	Polyethylene or polypropylene container. Packing as recommended by manufacturer.
Storage	Check all containers are clearly labelled and free from leaks.
Incompatibility	Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. Avoid contact with copper, aluminium and their alloys. Avoid reaction with oxidising agents.

8. Exposure controls /personal protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
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Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. **Ventilation:** This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection	Protective glasses or goggles must be worn when this product is being used. Failure to protect your eyes may lead to severe harm to them or to general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.
Skin Protection	Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.
Protective Material Types	We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary. Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

9. Physical and chemical properties

Non viscous liquid	Clear water like liquid
Odour:	Neutral odour

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Colour	Red
pH	12.5 to 13.5 neat
Vapour pressure:	No data.
Vapour Density:	No data.
Boiling Point:	Approximately 100°C (for liquid concentrate)
Boiling range	No data.
Melting point	No data.
Solubility in water	Miscible
Specific Gravity:	1.065 – 1.085 @ 25 C
Flash point	Non Flammable
Solubility limits	N/a
Per Cent Volatile	Approximately 80% v/v

10. Stability and Reactivity

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid	Keep containers tightly closed.
Incompatible Materials	acids, zinc, tin, aluminium and their alloys.
Fire Decomposition	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation	This product will not undergo polymerisation reactions.

11. Toxicological information

Health effects from acute exposure	
Swallowed	Corrosive. Can cause damage to throat, lungs and stomach.
Eye	Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately
Skin	Irritating to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.
Inhaled	Can be irritating to the nose, throat and upper respiratory tract.
Health effects from chronic exposure	Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.
Carcinogenicity	No known effect

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Mutagenicity	No known effect
Teratogenicity	No known effect

1. Ecological information

This product is harmful to aquatic organisms. This product will not accumulate in the soil or water or cause long term problems. However, until diluted or neutralised it will kill all aquatic organisms it contacts due to extreme pH.

2. Disposal considerations

Disposal	Review federal, state and local government requirements prior to disposal.
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3. Transport Information

UN Number	1814
Proper Shipping Name	Corrosive Liquid (Potassium Hydroxide solution)
DG Class	8
SUBSIDARY RISK	none allocated
Packaging Group	II
Label	



Recommended Use	Detergent for bbq, grill and heavy duty food process cleaning.
Special precautions for users	Ensure containers are clearly labeled. Keep containers securely sealed and protected against physical damage. Store away from acids. Do not use aluminum or galvanized containers. Steel or plastic containers suitable.
Hazchem Code	2R

4. Regulatory Information

Packaging and Labelling	This product is a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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5. Other information

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Abbreviations

AICS	Australian Inventory of Chemical Substances
CAS Number	Unique Chemical Abstracts Service Registry Number
EC50	Ecotoxic Concentration 50% — concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
ES	Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed in a work day
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD50	Lethal Dose 50% — dose which is fatal to 50% of a test population (usually rats).
LC50	Lethal Concentration 50% — concentration in air which is fatal to 50% of a test population (usually rats)
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
Peak Limitation	Peak Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded
TWA	Time Weighted Average — generally referred to ES averaged over typical work day (usually 8 hours)
UEL	Upper Explosive Limit
UN Number	United Nations Number

References

Data	Unless otherwise stated comes from IUCLID datasheet for the specific chemical.
NOHSC: 1003	National Occupational Health and Safety Commission 1995, Exposure Standards for Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)11]
Prepared By	Jon Sprinkhuizen
Date of Previous Issue	26th of October 2016
Changes Made	Update SDS to GHS format
References	Australian Dangerous Goods Code Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP) Guidance
Contact Person/Point	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
Legal Disclaimer	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

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End of SDS