

SAFETY DATA SHEET

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name: Oven Power

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Oven and grill cleaning agent.

Uses advised against: No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier: OzKleen Asia-Pacific Pty Ltd,
111 Lahrs Road, Ormeau. QLD 4208 Australia
+61 (0)7 5549 4777 www.ozkleen.com.au

Manufacturer: OzKleen Asia-Pacific Pty Ltd,
111 Lahrs Road, Ormeau. QLD 4208 Australia
+61 (0)7 5549 4777 www.ozkleen.com.au

Emergency telephone number

Emergency telephone: OzKleen Asia-Pacific Pty Ltd +61 (0)7 5549 4777 (09:00-17:00)

National emergency telephone number: 13 11 26

Section 2. Hazards identification

2.1 Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule: S5

Health hazards:

Eye Dam. 1 - H318

Environmental hazards

Human health

May cause serious eye damage. Causes skin irritation.

2.2 Label Elements

Pictogram:



Signal word:

Danger

Hazard statements:

H290 May be corrosive to metals.
H315 Causes skin irritation
H318 Causes serious eye damage
H332 Harmful if inhaled

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.



P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.

Contains: Potassium Hydroxide

Supplementary precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children
 P501 Dispose of contents/container in accordance with national regulations.

2.3 Other Hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3. Composition/information on ingredients

3.1 Mixtures

Potassium Hydroxide CAS number: 1310-58-3 EC number: —	1-10%
Classification Acute Tox. 4 - H302 Skin Cor cat. 1 - H314	
2-Butoxyethanol CAS number: 111-76-2 EC number: —	1-10%
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
Carboxypolymethylene CAS number: 9007-20-9 EC number: —	1-10%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.



Section 4. First aid measures

4.1 Description of first aid measures

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.

For acute or short-term repeated exposures to highly alkaline materials:

Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.

Oxygen is given as indicated.

The presence of shock suggests perforation and mandates an intravenous line and fluid administration.

Damage due to alkaline corrosives occurs by liquefaction necrosis whereby the saponification of fats and solubilisation of proteins allow deep penetration into the tissue.

Alkalis continue to cause damage after exposure.

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.

Injury should be irrigated for 20-30 minutes.

If this product comes in contact with the eyes:

Immediately hold eyelids apart and flush the eye continuously with 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.

Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Transport to hospital or doctor without delay.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Injury should be irrigated for 20-30 minutes.

Eye injuries require saline.

If poisoning occurs, contact a doctor or Poisons Information Centre.

For advice, contact a Poisons Information Centre or a doctor at once.

Urgent hospital treatment is likely to be needed.

If swallowed do NOT induce vomiting.

Transport to hospital or doctor without delay.

Milk and water are the preferred diluents

No more than 2 glasses of water should be given to an adult.

Neutralising agents should never be given since exothermic heat reaction may compound injury.

Catharsis and emesis are absolutely contra-indicated.

Activated charcoal does not absorb alkali.

Gastric lavage should not be used.

Supportive care involves the following:

- Withhold oral feedings initially.

- If endoscopy confirms transmucosal injury start steroids only within the first 48 hours.

- Carefully evaluate the amount of tissue necrosis before assessing the need for surgical intervention.

- Patients should be instructed to seek medical attention whenever they develop difficulty in swallowing (dysphagia).



4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Respiratory stress is uncommon but present occasionally because of soft tissue oedema.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause skin irritation.

Eye contact

May cause blurred vision and serious eye damage.

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. There is no restriction on the type of extinguisher which may be used. Water spray, foam or dry chemical powder are suitable.

5.2 Special hazards arising from the substance or mixture

Specific hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO).

Carbon dioxide

(CO₂). Nitrous gases (NO_x). Sulphurous gases (SO_x). Toxic gases or vapours.

5.3 Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6. Accidental release measures

6.2 Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Slippery when spilt

Minor Spills:

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.

Major Spills:

Clear area of personnel and move upwind.

Alert Fire Brigade and tell them location and nature of hazard.

Wear full body protective clothing with breathing apparatus.

Prevent, by any means available, spillage from entering drains or water course.

6.4 Reference to other sections

Reference to other sections

For waste disposal, see Section 13.

Section 7. Handling and storage

7.1 Precautions for safe handling

Usage precautions

Avoid contact with skin and eyes.

Avoid sources of heat.

DO NOT allow clothing wet with material to stay in contact with skin

Avoid all personal contact, including inhalation.

Wear protective clothing when risk of exposure occurs.

Use in a well-ventilated area.

WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material.

Wash hands with soap and water after handling.

Laundry contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Keep containers securely sealed.

Store away from incompatible materials and foodstuff containers.

DO NOT use aluminium, galvanised or tin-plated containers

Use:

Lined metal can, lined metal pail/ can.

Plastic container

Plastic carboy

Plastic pail.

Polyliner drum.

Packing as recommended by manufacturer.

Avoid storage with oxidisers and strong acids

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Section 8. Exposure Controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient comments

No value assigned for this specific product.

Exposure standards for constituent(s):

Australia Exposure Standards (OEL) - Potassium hydroxide: 2 mg/m³

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Neoprene. Nitrile rubber.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Do not smoke in work area.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Viscous liquid.
Colour:	Pink translucent
Odour:	non-distinct
Odour threshold:	No information available.
pH:	pH (concentrated solution): 12-14
Melting point:	Not applicable.
Initial boiling point and range:	>100°C @ 760 mm Hg
Flash point:	Closed Cup >93°C
Evaporation rate	9.54% per hour.
Evaporation factor:	No information available.
Upper/lower flammability or explosive limits:	No information available.
Vapour pressure:	No information available.
Vapour density:	>1
Specific density:	~ 1 @ 20°C
Bulk density:	Not applicable.
Solubility(ies):	Miscible in water.
Partition coefficient:	No information available.
Auto-ignition temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Oxidising properties:	Not applicable.

Comments



Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures. This product does not flash as the expected flash point is above the boiling point of the product.

9.2 Other information

Volatile organic compound

This product contains a maximum VOC content of 45 g/litre.

Section 10. Stability and reactivity

10.1 Reactivity

Avoid reaction with strong acids.

10.1 Chemical stability

Stability

Stable at normal ambient temperatures.

10.2 Possibility of hazardous reactions

Will not polymerise.

10.3 Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid storage with oxidisers and strong acids

10.4 Incompatible materials

Materials to avoid

Avoid reaction with strong acids..

10.5 Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂). Sulphurous gases (SO_x). Nitrous gases (NO_x). Toxic gases or vapours.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity - oral

Based on available data the classification criteria are not met.

Potassium hydroxide Oral (rat) LD50: 273 mg/kg

Acute toxicity - dermal

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin contact with alkaline corrosives may produce severe pain and burns; brownish stains may develop.

Potassium hydroxide burns are not immediately painful; onset of pain may be delayed minutes or hours; thus care should be taken to avoid contamination of gloves and boots.

Open cuts, abraded or irritated skin should not be exposed to this material.

Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Potassium hydroxide - Skin (human): 50 mg/24h SEVERE

Serious eye damage/irritation

Causes serious eye damage.



If applied to the eyes, this material causes severe eye damage.

Direct eye contact with corrosive bases can cause pain and burns. There may be swelling, epithelium destruction, clouding of the cornea and inflammation of the iris. Mild cases often resolve; severe cases can be prolonged with complications such as persistent swelling, scarring, permanent cloudiness, bulging of the eye, cataracts, eyelids glued to the eyeball and blindness.

Potassium hydroxide - Eye (rabbit):1mg/24h rinse-moderate

Respiratory sensitisation

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

Inhaling corrosive bases may irritate the respiratory tract. Symptoms include cough, choking, pain and damage to the mucous membrane.

Not normally a hazard due to non-volatile nature of product

Skin sensitisation

Sensitising. May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

Inhaling corrosive bases may irritate the respiratory tract. Symptoms include cough, choking, pain and damage to the mucous membrane.

Not normally a hazard due to non-volatile nature of product

Ingestion

May cause discomfort if swallowed.

Ingestion of alkaline corrosives may produce burns around the mouth, ulcerations and swellings of the mucous membranes, profuse saliva production, with an inability to speak or swallow. Both the oesophagus and stomach may experience burning pain; vomiting and diarrhoea may follow.

Accidental ingestion of the material may be damaging to the health of the individual.

Skin contact

Skin contact with alkaline corrosives may produce severe pain and burns; brownish stains may develop.

Eye contact

Irritating to eyes. Risk of serious damage to eyes.

Route of entry

Skin and/or eye contact

Target organs

Skin Eyes

Medical symptoms

Irritation of eyes and mucous membranes. Skin irritation. Allergic rash.



Section 12. Ecological Information

Ecotoxicity

Not known. The product contains a substance which is toxic to aquatic organisms.

Avoid contaminating waterways.

Potassium hydroxide LC50 96h - Fish 80mg/L

Potassium hydroxide NOEC 96h - Fish 56mg/L

12.1 Toxicity

Acute toxicity - fish

Not known.

Acute toxicity - aquatic invertebrates

Not known.

Acute toxicity - aquatic plants

Not known.

12.2 Persistence and degradability

Persistence and degradability

There are no data on the degradability of this product. The surfactant(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3 Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

Potassium Hydroxide: Low

12.4 Mobility in soil

Mobility

The product is water-soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

Section 13. Disposal considerations

13.1 Waste treatment methods

General information

When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Section 14. Transport information

14.1 UN number

1814

14.2 UN proper shipping name

CORROSIVE LIQUID, POTASSIUM HYDROXIDE SOLUTION.

14.3 Transport hazard class(es)



8.

14.4 Packing group

II

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines

and Poisons (SUSMP), Poisons Schedule:

Schedule 5

Australian Inventory of Chemical Substances

(AICS):

Listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16. Other information

Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers.

Classification procedures according to Regulation (EC) 1272/2008

: Calculation method, On basis of test data.

Revision date: 01/01/2017

Revision: 1.0

SDS number: OZ04

Risk phrases in full

R22 Harmful if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

Hazard statements in full

H290 May be corrosive to metals.

H315 Causes skin irritation

H318 Causes serious eye damage

H332 Harmful if inhaled

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.