

Oven & Grill Cleaner

1: Identification of the Material and Supplier

Product Identifier	Oven & Grill Cleaner		
Other Means of Identification	Sodium hydroxide, potassium hydroxide solution		
Recommended Use	Oven and hot plate cleaner		
Supplier	Organisation	Location	Contact Information
	Chemform Pty Ltd ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: (08) 9240 7444 Fax: (08) 9344 4360 E-Mail: admin@chemform.com.au Web: www.chemform.com.au
Emergency Phone Number	Poisons Information Centre (Australia) 13 11 26		

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code.

GHS Classification	Skin corrosion category 1
Signal Word	Danger
Hazardous Statement(s)	Causes severe skin burns and eye damage.
Precautionary Statement(s)	Wear safety glasses, protective gloves, clothing and impervious footwear. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. Store locked up.

3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	<10%
Potassium Hydroxide	1310-58-3	<10%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
Symptoms Caused by Exposure (Chronic)	No data available
Medical Attention and Special Treatment	Treat symptomatically as for strong alkali. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources
Specific Hazards Arising from the Chemical	No specific hazards
Special Protective Equipment and Precautions for Fire Fighters	The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.
Hazchem Code	2X

6: Accidental Release Measures

Personal Precautions	Wear protective eyewear, chemical resistant boots, impervious overalls and gloves.
Environmental Precautions	Seek disposal options by a licensed waste contractor

Spills and Disposal	Small Spills	Large Spills
	Wear personal protective equipment. Wash away with large quantities of water. Neutralise any residue with a dilute vinegar solution.	Wear personal protective equipment – chemicals goggles, face shield, impervious clothing (e.g. PVC suits), PVC, nitrile or rubber gloves and boots. Use sand or attapulgit to absorb spill. Shovel up, collect and seal in properly labelled drums for disposal. Residues may be washed away with water. Wash down area with large amounts of water. Prevent run off into drains and waterways.

7: Handling and Storage

Precautions for Safe Handling Wash hands after use. Minimise direct contact with product. Use PPE as described in section 8.

Conditions for Safe Storage Always replace lid on container after use. Store out of direct sunlight and out of the reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards TWA of 2mg/m³ as Sodium Hydroxide and TWA of 2mg/m³ as Potassium Hydroxide

Engineering Controls Avoid generation and inhalation of mists and aerosols

Individual Protection

Eyes/Face Face shield

Hands Rubber or nitrile gloves

Skin Apron and chemical resistant boots

Respiratory If mists are generated use a respirator

9: Physical and Chemical Properties

Appearance Brown liquid

Odour Nil

pH 11.5 – 12.8 (1% solution)

Vapour Pressure Not relevant

Vapour Density Not relevant

Flash Point Not applicable

Flammability Limits Not applicable

Boiling Point >100C

Melting Point <0C

Specific Gravity 1.15 – 1.17

Solubility Soluble in water

10: Stability and Reactivity

Chemical Stability The product is stable under normal conditions

Possibility of Hazardous Reaction Reacts violently with acids liberating excessive heat.

Conditions to Avoid Extreme heat and temperatures

Incompatible Materials Oxidising chemicals, hydrogen peroxide. Reacts with aluminium and zinc (galvanising) and forms hydrogen, which can form explosive gas mixtures with air in confined spaces.

Hazardous Decomposition Products None known

11: Toxicological Information

Ingestion	Oral LD50 (rat): >125 mg/kg (product). Ingestion causes severe damage to the mucous membranes or other tissue with which contact is made. It can cause perforation and scarring.
Eye	Eye rabbit 5 mg/24hr severe. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
Skin	Highly corrosive to skin. Irritant dermatitis may result from working with this material. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be very damaging.
Inhalation	Not considered a feature of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.

12: Ecological Information

Ecotoxicity	Leuciscus idus melanotus (golden orfe) 48 h LC50 189mg/L (sodium hydroxide)
Persistence/Degradability	Does not persist in the environment and degrades to sodium salts.
Bio-accumulative Potential	No potential to bio-accumulative
Mobility in Soil	No data available

13: Disposal Considerations

Disposal Methods	Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.
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14: Transport Information

UN Number	3266
Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC N.O.S (Potassium/Sodium Hydroxide solution)
Class	8
Subsidiary Risk	None allocated
Packing Group	II
Special Precautions For Users	Ensure containers are clearly labelled. Keep containers securely sealed and protected against physical damage. Store away from acids. Do not use aluminium or galvanized containers. Steel or plastic containers suitable.
Hazchem Code	2X
IERG Number	37

15: Regulatory Information

Packaging & 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.

16: Other Information

Prepared By Brett Amos
Date of Previous Issue June 2014
Changes Made Update SDS to GHS format.
7/11/16 JD – added extra PPE in section 2. (3/05/2017 BA updated hazchem and UN number)
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 on the Classification of Hazardous Chemicals Under the WHS Regulations (April 2012)
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.

END OF SAFETY DATA SHEET