

# Material Safety Data Sheet

Infosafe No™ YSXWG Issue Date : January 2015 ISSUED by PLESSJAL

Product Name : **New Oven Cleaner**

Classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Chemical Product and Company Identification** Tel: (03)9416 6700 (BH)  
Fax: (03)9416 8516  
Web: www.peerlessjal.com.au  
email: sales@peerlessjal.com.au

**Product Name** New Oven Cleaner

**Company Name** Peerless Jal Pty Ltd (ABN 53 006 489 345)

**Address** 10-12 Raglan Street Preston  
Victoria 3072 Australia

**Telephone/Fax Number** Tel: (03) 9416 6700  
Fax: (03) 9416 8516

**Email** sales@peerlessjal.com

**Recommended Use** Use undiluted. Apply by cloth or sponge. Leave for 5-10 minutes. Rinse well with clean water.

**Other Names** Name Product Code

Caustic Alkali Liquid nos (contains Potassium Hydroxide)  
Caustic Oven & Hot Plate Cleaner

**Other Information** NOTICE: While the information contained herein is correct to the best of our knowledge, PEERLESS JAL Pty Ltd herein disclaims any warranties as to the accuracy of the same. Recommendations or suggestions are made without guarantee or representation as a result, since conditions of use are beyond our control. All materials are sold subject to PEERLESS JAL Pty Ltd standard terms and conditions of sale and on the condition that buyer shall make his/her own tests to determine the suitability of such product for buyers purposes. No statement contained herein shall be construed as a recommendation to infringe any patent.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous  
Approved Criteria Classification (Calculated)  
Very Corrosive, Risk Phrases R35 R41  
Safety Phrases S 1, 2, 26, 37/39, 45  
SUSDP Classification  
S6 (Potassium Hydroxide)  
ADG Classification  
Class 8 (Caustic Alkali Liquid nos)  
UN Number  
1719  
EMERGENCY OVERVIEW  
Colour  
Amber brown.  
Physical Description  
Liquid.  
Odour  
Characteristic.  
Major Health Hazards  
Very corrosive to skin and eyes.

**Risk Phrase(s)** Classified as hazardous  
R35 Causes severe burns.  
R41 Risk of serious damage to eyes.

**Safety Phrase(s)** S1/2 Keep locked up and out of reach of children. the reach of children.  
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. / face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately , seek medical advice immediately (show the label whenever possible.)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization** Liquid

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Water	7732-18-5	30-60 %
ETHYLENE GLYCOL MONO	111-76-2	0-10 %
BUTYL ETHER		
Surfactants	(Proprietary)	0-10 %
Alkaline Salts	(Proprietary)	0-10 %
Glycol	(Proprietary)	0-10 %
Dye	(Proprietary)	0-1 %
Perfume	(Proprietary)	0-1 %
Potassium hydroxide	1310-58-3	29.8%w/v

## 4. FIRST AID MEASURES

<b>First Aid Measures</b>	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 1126.
<b>Inhalation</b>	Leave contaminated area.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Give a glass of water. In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
<b>Skin</b>	Remove contaminated clothing and wash skin thoroughly with water.
<b>Eye</b>	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
<b>First Aid Facilities</b>	Eyewash should be nearby and ready to use. Provision of safety showers is recommended. Keep a burns module in the first aid kit.
<b>Advice to Doctor</b>	Consider referral to ophthalmologist in cases of eye contact due to possibility of corneal burns. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use water spray or fog, dry chemical, foam or carbon dioxide.
<b>Specific Methods</b>	Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.
<b>Specific Hazards</b>	Non-combustible material. Closed containers are liable to explode if exposed to extreme heat.
<b>Hazchem Code</b>	2R
<b>Other Information</b>	ADG Classification: Class 8 Corrosive Hazchem 2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>Clean-up Methods - Small Spillages</b>	Small spills may be flushed to sewer with plenty of water.
<b>Clean-up Methods - Large Spillages</b>	Contain spill using inert absorbent such as sand, earth or chemical spill kit. Neutralise with dilute acid to pH 7-8. Collect and seal in properly labelled containers for disposal. Alert appropriate authority if spill has contaminated the environment or sewers.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	This material is a Class 8 Dangerous Good and a Schedule 6 Poison. Handle in accordance with State or Territory Dangerous Goods and Poisons Regulations. Refer to the National Code of Practice for the Storage and Handling of Dangerous Goods.
<b>Conditions for Safe Storage</b>	This material is a Class 8 Dangerous Good and a Schedule 6 Poison. Store in accordance with State or Territory Dangerous Goods and Poisons Regulations. Refer to the National Code of Practice for the Storage and Handling of Dangerous Goods. Keep containers closed. Check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	NOHSC The National Occupational Health and Safety Commission (Worksafe Australia) has set no exposure standards for this material. This does not imply that this material is safe or non-hazardous. There may be insufficient information available to allow the National Commission to assign an exposure standard,
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even on a tentative basis. Where exposure standards are available for the ingredients of this material, they are listed below.

Ingredient Exposure Limits

Ingredient	TWA		STEL		Notices
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Potassium Hydroxide	-	2			Peak Limitation
2-Butoxyethanol (Ethylene Glycol Mono Butyl Ether)	25	121			Sk

Application in the Workplace

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

STEL is the Short Term Exposure Limit and is a 15-minute TWA exposure, which should not be exceeded at any time during a working day. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

Peak Limitation - the exposure standard for this substance is a maximum or peak concentration to which workers may be exposed. Compliance should be determined over the shortest analytically practicable period of time, but in no circumstances should a single determination exceed 15 minutes.

Sk - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Guide Only

Exposure Standards are guides to be used in the control of occupational health hazards. They are not fine dividing lines between safe and dangerous concentrations of chemicals nor are they measures of relative toxicity. All atmospheric contamination should be kept to as low a level as is practicable.

Ventilation  
Ensure adequate ventilation to maintain concentrations below exposure standards. Consider using local exhaust ventilation

Respiratory Protection  
If spray mist is present use a particle respirator that meets the requirements of AS1716.

Eye Protection  
Wear eye / face protection.

Hand Protection  
Protective Material Types:  
Gloves that are suitable include those made of rubber, latex, PVC and rubber.

Body Protection  
Skin Protection:  
Wear suitable gloves.

Hygiene Measures  
Always wash hands before eating, drinking, smoking or using the toilet.

## Engineering Controls

## Respiratory Protection

## Eye Protection

## Hand Protection

## Body Protection

## Hygiene Measures

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Odour	Characteristic.
Boiling Point	Approx. 100°C.
Solubility in Water	Completely miscible.
Specific Gravity	Approx 1.2.
pH Value	Approx 12.
Vapour Density (Air=1)	Not available.
Colour	Amber brown.
Flash Point	None.
Explosion Limit - Upper	None.
Explosion Limit - Lower	None.
Other Information	Freezing Point: Not available.

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## 10. STABILITY AND REACTIVITY

<b>Stability and Reactivity</b>	Stable at normal temperatures and pressures.
<b>Conditions to Avoid</b>	Avoid contact with incompatible materials.
<b>Incompatible Materials</b>	Strong acids, aluminium, zinc, tin and alloys. Avoid mixing with hot water.
<b>Hazardous Decomposition Products</b>	Thermal decomposition products will include corrosive and toxic gases.
<b>Hazardous Polymerization</b>	Will not polymerise.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	<p>INDIVIDUAL INGREDIENT INFORMATION POTASSIUM HYDROXIDE Toxicity Data Oral LD50 (rat): 273mg/kg Local Effects Very corrosive to skin and eyes. Acute Toxicity Level Causes severe burns. Risk of serious damage to eyes. Target Organs Skin. Reference Redox Chemicals MSDS Issued March 2001.</p> <p>INDIVIDUAL INGREDIENT INFORMATION ETHYLENE GLYCOL MONO BUTYL ETHER Toxicity Data Oral LD50 (rat): 530-3000mg/kg; Oral LD50 (guinea pig): 950-1414mg/kg; Dermal LD50 (rabbit): 100-610mg/kg; Dermal LD 50 (guinea pig): 1200-&gt;2000mg/kg; Inhalation LC50 (rat): 450-490 ppm/4H(1) Local Effects Irritating to respiratory system. Acute Toxicity Level Harmful by inhalation, in contact with skin and if swallowed. Target Organs Liver, kidney and blood. Reproductive Effects Data Animal studies have shown that exposure to 2-butoxyethanol, during pregnancy, produced no selective teratogenic effects in the offspring. In the rat, foetotoxic effects were only observed at concentrations that also produced maternal toxicity (i.e. 200ppm). Also 2-butoxyethanol did not produce testicular atrophy in male rats. (1) Reference (1) Orica MSDS Issued 01.09.1997</p>
<b>Health Hazard</b>	No adverse health effects expected if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are: For WSA Format, please refer to Health Effects Section for acute effects.
<b>Inhalation</b>	Short term exposure Spray mist is irritating and corrosive. May cause difficulty and pain when breathing. May cause coughing and sneezing. May cause pulmonary oedema. Long term exposure Long-term exposure to spray mist may cause lung damage. Individuals with impaired lung function may be more susceptible to these effects.
<b>Ingestion</b>	Short term exposure Very corrosive. Causes severe burns. Will burn mouth, throat and gastro-intestinal tract. May cause vomiting and diarrhoea. In extreme cases may perforate the gastro-intestinal tract and cause death. Long term exposure May cause damage to the gastro-intestinal tract. May cause severe scarring of tissue.

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**Skin** Short term exposure  
Very corrosive. Causes severe burns.  
Long term exposure  
May cause scarring.

**Eye** Short term exposure  
Very corrosive. Causes severe burns. Risk of serious damage to eyes. May burn cornea. May cause tearing, redness and swelling. Severe burns may cause blindness.  
Long term exposure  
May cause serious damage to eyes.

**Carcinogenicity**  
NOHSC  
Not classified.  
NTP  
Not available.  
IARC  
Not available.

## 12. ECOLOGICAL INFORMATION

**Ecological Information** Prevent product from entering waterways and rivers. Fish and other aquatic organisms are sensitive to changes in pH.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose in accordance with all applicable regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Classified as dangerous goods according to the transport of dangerous goods (ADG) code.  
**U.N. Number** 1719

**Proper Shipping Name** CAUSTIC ALKALI LIQUID, N.O.S.  
**DG Class** 8  
**Hazchem Code** 2R

**Special Precautions for User** Correct Shipping Name: Caustic Alkali Liquid (Contains: Potassium Hydroxide)

**Packaging Method** 3.8.8RT8  
**Packing Group** III  
**EPG Number** 8A1  
**IERG Number** 37  
**UN Number (Road Transport)** 1719

**Other Information** This MSDS summarises our best knowledge of health and safety hazard information of the product and how to safely handle and use the product.

## 15. REGULATORY INFORMATION

**Regulatory Information** Classified as hazardous  
AICS  
All ingredients are listed an AICS.

**Poisons Schedule** S6

**Hazard Category** Corrosive

## 16. OTHER INFORMATION

**Technical Contact Point** Technical Department  
10-12 Raglan Street  
Preston  
VIC 3072  
Tel: (03)9416 6700 (BH)  
Fax: (03)9416 8516

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## Other Information

### PRODUCT SIZES AND CODES:

5 litre	11NEOV5
Carton of 3 x 5 litre	11NEOV5X3
Carton of 4 x 5 litre	11NEOV5X4
15 litre	11NEOV15
25 litre	11NEOV25

### JAL COLOUR CODING:

Black Caustic

Revised Sections of MSDS

All sections. Update to 16-section format.

Acronyms

SUSDP

Standard for the Uniform Scheduling of Drugs and Poisons

MSDS

Material Safety Data Sheet

ADG CODE

Australian Code for the Transport of Dangerous Goods by Road and Rail

NOS

Not Otherwise Specified

CAS Number

Chemical Abstracts Service Registry Number

UN Number

United Nations Number

R-Phrases

Risk Phrases

HAZCHEM Code

An emergency action code of numbers and letters that gives information to emergency services

NOHSC

National Occupational Health and Safety Commission

NTP

National Toxicology Program (USA)

IARC

International Agency for Research on Cancer

AICS

Australian Inventory of Chemical Substances

...End Of MSDS...

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