Safety Data Sheet

COMBI KLEEN

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	COMBI KLEEN
Product Code	1CK
Product Use	Combi Oven Cleaner
Company Name	Sure Kleen Products Pty. Ltd.
Address	9 Agett Road Malaga WA 6090
Emergency Telephone	1800 057 377
Telephone	(08) 92487444
Fax	(08) 92487733
Web	www.surekleenproducts.com.au

2. HAZARDS IDENTIFICATION

Hazardous Nature:
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.
This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
Poisons Schedule (SUSMP): S6 Poison.

Classification of the substance or mixture:
Corrosive to Metals - Category 1
Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Irritation - Category 1

Signal Word: Danger

Hazard Statement(s):
H290 May be corrosive to metals.
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary Statement(s):
Prevention:
P234 Keep only in original container.
P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response:
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before re-use.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 Absorb spillage to prevent material damage.

Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

	Ingredient	CAS No.	Proportion
	Sodium hydroxide	1310-73-2	>10%
	Water and other non-hazardous ingredients	-	to 100%

4. FIRST AID MEASURES

Inhalation	Remove victim from exposure. Seek medical attention if Ill-effects persist.
Ingestion	Do not induce vomiting. Give glass of water and rinse mouth, seek immediate medical attention. If vomiting occurs, place victim head lower than hips to prevent vomit entering lungs.
Skin	Remove contaminated clothing and flush affected area with running water. Seek immediate medical advice. Wash contaminated clothing before re-use.
Eye	If in eyes, hold eyelids apart and irrigate with clean water for at least 15 minutes. Seek urgent medical assistance.
First Aid Facilities	Eye wash station.
Advice to Doctor	Treat symptomatically as for strong alkali. May cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable. Use extinguishing media appropriate to the source of the fire.
Hazards from Combustion Products	Corrosive to aluminium, zinc and tin, liberating flammable hydrogen gas. Reacts with acids. Reacts with ammonium salts liberating ammonia gas. Absorbs carbon dioxide from the air. Reacts exothermically on dilution with water. In the event of a major fire, this product may emit toxic fumes including carbon monoxide and carbon dioxide.
Precautions for Fire Fighters	Cool containers with water to prevent containers from rupturing.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Personnel involved in the clean up should wear appropriate protective clothing as specified in Section 8. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so. Do not let product reach drains or waterways.
Spills & Disposals	Wear appropriate protective equipment. Contain and recover liquid where possible. Use material such as earth to contain spill and pack residue into appropriate containers for disposal at approved site. Wash affected area with water.

7. HANDLING AND STORAGE

Storage	Store in original container in a cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use. Do not store near strong oxidising agents or acids.
Handling	Wear protective clothing as specified in Section 8. Prevent the build up of mists or aerosols in the work atmosphere. Avoid inhalation of aerosol or mist. Wash hands and other exposed areas with soap and water immediately after handling and before eating, drinking, smoking or using the toilet.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). The exposure standards for ingredients are: TWA for sodium hydroxide = 2 mg/m^3 TWA = Time Weighted Average
Biological Limits	None allocated.
Engineering controls	No special engineering controls required. Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.
Personal Protective Equipment	**Eye Protection:** Face shield and/or chemical goggles (AS 1336/1337). **Glove Type:** Impervious PVC, rubber or nitrile gloves (AS 2161). **Clothing:** PVC, nitrile or rubber splash apron and rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Clear non viscous liquid
Odour	None
pH (neat)	13 - 14
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Approximately 100ºC
Freezing/Melting point	<0ºC
Solubility in Water	Miscible in all proportions
Specific Gravity	Approximately 1.15
Flash Point	Not applicable
Flammable Limits	Not flammable
10. STABILITY AND REACTIVITY	
Chemical Stability	Store away from acids and ammonium salts
Materials to Avoid	Incompatible with acids and aluminium metal. In contact with aluminium, product will release highly flammable hydrogen gas.
Decomposition	May emit toxic or irritating fumes if heated above approximately 70ºC.
Hazardous Reactions	Reacts with aluminium, zinc and tin
11. TOXICOLOGICAL INFORMATION	
Health Hazard Summary	No adverse health effects expected if product is handled in accordance with Safety Data Sheet. Symptoms that may arise if product is mishandled are:
Inhalation	Inhalation of mist or aerosol will cause pulmonary irritation with possible harmful corrosive effects including pulmonary oedama, pneumonitis, emphysema and lesions of nasal septum.
Ingestion	Highly corrosive. May cause burning of the mouth and oesophagus, nausea, vomiting, abdominal pain and oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse in extreme cases.
Skin	Highly corrosive to skin if contact is prolonged. Irritant dermatitis may result from working with this material. If left unattended, skin contact 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.
Eye	Severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
Toxicity Data	Sodium hydroxide Oral LD_{50} 2000 mg/kg (rat)
12. ECOLOGICAL INFORMATION	
Ecotoxicity	Do not contaminate waterways with the product or used containers. Spills should be contained, absorbed by sand or earth and placed in sealed plastic or epoxy lined drums for disposal
Persistence and Degradability	The surfactants used in this product are readily biodegradable (AS 4351). None of the components of this product will bioaccumulate.
Mobility	No data available for this product.
13. DISPOSAL CONSIDERATIONS	
Waste Disposal	Dispose of as hazardous waste. Refer to waste management authority. Containers should be thoroughly rinsed and recycled.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.
14. TRANSPORT INFORMATION	
Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	1719
Proper Shipping Name	CAUSTIC ALKALI LIQUID NOS (contains SODIUM HYDROXIDE)
Class and Subsidiary Risk(s)	Class 8
Packing Group	II
Special Precautions	None allocated
Hazchem Code	2R

15. REGULATORY INFORMATION	
Poisons Schedule	Schedule 6
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION	
Contact Point	John Browner
Title	Technical Manager
Telephone	08 92487444
After Hours	1800 057 377

The information contained in this Safety Data Sheet is believed to be accurate and reliable; however, Sure Kleen Products shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.

End of Report