

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

- **Product Name:** Combi / Convection Oven
- **Relevant Identified Uses:** Det & Rinse Aid
- **Company Name:** Leardon
- **Company Address:** 186 Derrimut Drive, Derrimut 3026
- **Company Telephone Number:** 03 8375 1658
- **Email:** info@leardonchem.com.au
- **Website:** www.leardonchem.com.au
- **Business Hours:** Mon - Fri 8:00 AM - 4:00 PM
- **Poisons Information Centre Ph:** 13 11 26 (24 Hours)

SECTION 2: HAZARDS IDENTIFICATION

- **Classification of the Substance or Mixture:** Corrosive – Causes severe skin burns & eye damage
- **Label Elements:** Class 8, Corrosive
- **Other Hazards:** UN NUMBER 1719 CAUSTIC ALKALI LIQUID

Hazard

⚠ DANGER - CLASS 8 CORROSIVE

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: According to 89/542/EEC

Ingredient	CAS Number	Concentration (%)	Other Information
Sodium Hydroxide	1310-73-2	15%<	C - R35 OES 2 mg/m ³ 15 Min STEL

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Potassium Hydroxide	1310-58-3	4%<	C-R35 OES 2MGS/ m ³ 15 Min Stel
Solvents	Secret	4%<	N/A
Anionic Sufactant	Secret	5%<	N/A
Non-Hazardous Ingredients	Various	To 100%	Not Set

SECTION 4: FIRST AID MEASURES

4.1. General Advice

If poisoning, irritation, or exposure occurs, immediately contact a Poisons Information Centre or seek medical advice. In Australia call 13 11 26 and in New Zealand call 0800 764 766. Ensure this Safety Data Sheet is available when seeking medical assistance.

4.2. Inhalation

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If vapours or mist are inhaled and irritation develops, move the affected person to fresh air immediately. Keep at rest and under observation. If breathing difficulties occur, oxygen administration by trained personnel may assist. Seek medical attention if symptoms persist or worsen. Delayed respiratory effects, including pulmonary oedema, may occur after significant exposure.

4.3. Skin Contact

Remove contaminated clothing, footwear, and leather items immediately. Flush affected skin thoroughly with running water for a minimum of 60 minutes. Continue rinsing without interruption. Seek urgent medical attention, particularly where irritation, burns, or pain occur. Wash contaminated clothing before reuse.

4.4. Eye Contact

Immediately rinse eyes carefully with clean, gently flowing water for at least 60 minutes while holding eyelids open. Remove contact lenses if present and easy to do. Continue flushing continuously during transport to medical assistance if required. Avoid contamination of the unaffected eye. Obtain urgent medical attention immediately.

4.5. Ingestion

If swallowed, rinse mouth thoroughly with water. **Do not induce vomiting.** Never give anything by mouth to an unconscious person. Contact a Poisons Information Centre or seek immediate medical attention. Hospital treatment may be required. Activated charcoal should only be administered under medical advice.

SECTION 5: FIREFIGHTING MEASURES

- **Flammability:** Non-Flammable. In the event of a fire due to other causes, the product is compatible with water, foam, carbon dioxide, or dry powder extinguishers.
- **Exposure Hazards:** If involved in a fire, it may evolve hazardous fumes of Nitrogen Dioxide and Nitric Oxide.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and suitable protective clothing including eye/face protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Emergency Procedures:** In the event of a spill or accidental release, prevent the product from entering drains, sewers, waterways, or soil. Isolate the affected area and restrict access to authorized personnel only. Ensure adequate ventilation during clean-up operations.
- **Personal Protective Equipment (PPE):** Personnel involved in spill response must wear appropriate chemical-resistant protective equipment including gloves, protective clothing, eye/face protection, and respiratory protection where vapours, mist, or aerosols may be present.
 - Suitable materials include: Nitrile rubber, Neoprene, Butyl rubber, and PVC.
 - For large spills or poorly ventilated areas, use approved respiratory protection or self-contained breathing apparatus.
- **Spill Clean-Up Procedures:** If safe to do so, stop the source of the leak and contain the spill. Absorb liquid using inert absorbent materials such as sand, earth, or vermiculite. Collect absorbed material into properly labelled containers for recovery or disposal in accordance with local regulations. Avoid generating splashes or aerosols. Wash contaminated surfaces thoroughly with water after removal, ensuring washings do not enter waterways. Where appropriate, residual material may be carefully neutralized using a weak acid solution. Notify relevant emergency authorities immediately if a significant quantity enters drains or the environment.

SECTION 7: HANDLING AND STORAGE

7.1. Handling

Avoid contact with eyes, skin, and clothing. Do not inhale vapours, mist, or spray generated during use. Use only in well-ventilated areas. Wear appropriate personal protective equipment when handling concentrated product. Store away from incompatible materials described in Section 10. Wash hands thoroughly after handling and before eating, drinking, or smoking. Do not mix with incompatible chemicals, particularly acids or ammonia-based products.

7.2. Storage

Store in the original tightly closed container in a cool, dry, and well-ventilated area away from direct sunlight and heat sources. Keep away from food, beverages, and incompatible materials. Containers should be stored upright and inspected regularly for leaks or damage. Protect product from excessive heat, ignition sources, and contamination. Avoid prolonged exposure to sunlight to maintain product stability and performance.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Refer to Section 3 for occupational exposure limits and Section 6/7 for specific Personal Protective Equipment (PPE) requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Value / Test Method / Remarks
Appearance	Brown Color Liquid
Odour	Chemical note
pH (Neat)	13
Boiling Point	100°C
Melting Point	Liquid

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Flash Point	Not applicable
Flammability	Not applicable
Auto-flammability	Not applicable
Explosive Properties	Not applicable
Vapour Properties	Not applicable
Specific Gravity (at 20°C)	1.25
Solubility	Water soluble

SECTION 10: STABILITY AND REACTIVITY

- **Conditions to Avoid:** Avoid extremes of temperature.
- **Incompatible Materials:** Keep away from aluminium, tin, zinc, and their alloys. Contact with these materials liberates hydrogen gas, which may form explosive mixtures with air.
- **Hazardous Decomposition Products:** Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

- **Eyes:** Causes severe burns and permanent damage.
- **Skin:** Causes severe burns.
- **Inhalation:** Severe irritant; may cause pulmonary oedema.
- **Ingestion:** Causes burns.
- **General:** Nil.

SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L.
- **Persistence and Degradability:** The product is not expected to persist in the environment for extended periods when used and disposed of correctly. Components are expected to degrade or neutralise over time under normal environmental conditions.
- **Bioaccumulative Potential:** No information available.
- **Mobility in Soil:** No information available.

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- **Other Adverse Effects:** No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

- **Spill Waste:** Absorb with inert material, sweep up the area, and dispose of as solid waste.
- **Area Washdown:** Hose down the area with plenty of water at 0.4% concentration unless this would contaminate a watercourse or vegetation. In case of contamination risk, either collect, dilute, and pour down a wastewater drain, or absorb onto sand/similar material and dispose of via a licensed waste management company.
- **Packaging Disposal:** Packaging is to be discarded as solid waste after rinsing twice with water.

SECTION 14: TRANSPORT INFORMATION

Regulation	Transport Details
Legal Regulation	C, Corrosive, Sodium Hydroxide solution, UN 1824, Hazchem 2R
IMDG / UN	Sodium hydroxide, Solution, UN 1824, Class 8, PG III
RID / ADR	Class 8, Item 42(b)
ICAO / IATA	Passenger Aircraft: 809, Y809 Cargo Aircraft: 813

SECTION 15: REGULATORY INFORMATION

- **Hazard Symbol:** C, Corrosive, Contains Sodium hydroxide solution
- **Risk Phrases:** R 35 – Causes severe burns
- **Safety Phrases:**
 - S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical aid.
 - S36/37/39: Wear suitable protective clothing, gloves, and eye/face protection.
 - S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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SECTION 16: OTHER INFORMATION

- **Handling Precautions:** Remove heavily contaminated clothing and wash well before reuse.
- **Storage Warning:** Keep out of reach of children.

