



Heavy Duty Combi Cleaner Concentrate SAFETY DATA SHEET

Section 1. IDENTIFICATION

Heavy Duty Combi Cleaner Concentrate

Description /Use: Oven and Kitchen Cleaner

Product Code: FL841 (5L)

Supplier Code: 8-302-05000 (5L)

Business name: Made by Zexa

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Review Date: 20th March 2031

Use only according to directions on product spec sheet and label.

Poisons Information Centre: Australia 13 11 26 NZ: 0800 764 766

Section 2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This material is classified as hazardous according to health criteria of Safe Work Australia (SWA).

SUSMP Classification: S6

ADG Classification: Class 8: Corrosive Substances.

UN Number: 1719 CAUSTIC ALKALI LIQUID, N.O.S. (ALKALINE SALTS)

GHS Classifications

Signal Word: **DANGER**

Hazard Classifications

Skin Corrosion/Irritation - Category 1B

Serious Eye Damage/Irritation - Category 1



HAZARD STATEMENT:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT:

Do not breathe mists or vapour. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection.

Prevention:

P102 Keep out of reach of children.

P103 Read label before use.

P234: Keep only in original container.

P260 Do not breathe mist, vapours or spray.

P262: Do not get in eyes, on skin, or on clothing.

P264 Wash hands and face thoroughly after handling.

P280 Wear protective workwear / apron, gloves and eye/face protection.



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Response:

P101 If medical advice is needed, have product container or label at hand.

P363: Wash contaminated clothing before reuse.

P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P390: Absorb spillage to prevent material damage.

P391: Collect spillage.

P370+P378: Not combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires.

STORAGE

P406: Store in corrosive resistant container with a resistant inner liner.

P402+P404: Store in a dry place. Store in a closed container.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Section 3. COMPOSITION INFORMATION

Chemical Name	CAS Number	Percentage (%)
Potassium hydroxide Solution	1310-58-3	10- 30
Sodium Metasilicate	10213-79-3	0 – 10.0
All others Non-Hazardous	Not applicable	to 100

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non- hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4. FIRST AID

Inhalation: Move victim to fresh air. If symptoms develop, seek medical advice.

Swallowed: Flush mouth with water. DO NOT induce vomiting. Get immediate medical attention. For advice, call the POISONS INFORMATION CENTRE



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Eye Contact: Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. For advice, call the POISONS INFORMATION CENTRE

Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.

Symptoms caused by exposure: Irritating and burning sensation after contact.

Medical attention and special treatment: No Specific treatment. Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

This product is not flammable under the conditions of storage and use and does not support combustion.

Extinguishing Media: Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.

Specific Hazards: None known

Hazardous Combustion Products: If this product is involved in a fire, the water contained in it may evaporate, leaving a residue which may combust. During combustion, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.

Protective Equipment: Fire fighters are to wear protective equipment appropriate to the principal fire hazard or the source of the fire. No special protective equipment required if this product is involved in a fire.

Flash Point: This product will not flash and does not support combustion.

Flammability: This product is not flammable under the conditions of use and does not support combustion

Section 6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Note: spillages are slippery. Wear appropriate protective equipment. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth and then transfer into sealed plastic containers for disposal.

Section 7. HANDLING AND STORAGE

Handling:

Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid eye contact, skin and clothing contact. Avoid inhalation of vapour, mist or aerosols.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs, strong acids and moisture. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.



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This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 6 (Danger) and must be stored, maintained and used in accordance with the relevant regulations.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards: An occupational exposure standard (OEL) has not been established for the product.

The following components have been listed with an OEL as per Safe Work Australia – Workplace Exposure Standards for Airborne Contaminants.

Chemical Name	CAS Number	Percentage (%)
Potassium hydroxide Solution	1310-58-3	10- 30
Sodium Metasilicate	10213-79-3	0 – 10.0
All others Non-Hazardous	Not applicable	to 100

Individual Protection Measures

Not required under normal conditions of use. The following Australian Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZ 1715; Protective gloves: AS2161; Occupational Protective Clothing: AS/NZS 4501 2008; Industrial Eye Protection: AS 1336 and AS/NZS 1337; Occupational Protective Footwear: AS/NZS 2210.

No special equipment is usually needed when handling small quantities. The following are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Eye and face protection: safety glasses or chemical resistant goggles should be worn to prevent eye contact. It is also recommended to provide eyebath or eyewash facilities in an area close to where the product is being used.

Skin protection: Information at hand indicates that this product is not harmful and normally no special skin protection is necessary. However, we suggest that you routinely avoid skin contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Respiratory protection: Not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715.

Engineering Controls

This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.



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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Colour:	Clear / Straw
Flashpoint (°C):	Not available	Boiling Point (°C):	102°C
Flammability Limits (%):	Not flammable	Vapour Pressure:	Not available
Water Solubility:	Complete	Specific Gravity:	1.06
pH:	13-14	Odour:	Odourless
Auto-ignition temperature:	Not available	Viscosity:	Not available

Section 10. STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, you have any doubts, contact the supplier for advice on shelf life properties.

Stability: Considered stable. For extended storage life, store below 30°C and keep out of direct sunlight.

Hazardous Polymerization Will not occur.

Materials to Avoid: Strong oxidising agents. Acids

Conditions to Avoid: No known conditions to avoid

Incompatible Materials: Strong oxidising agents.

Fire decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide and, if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Section 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Information on Route of Exposure

Ingestion: No effects known

Eye Contact: No effects known

Skin Contact: No effects known

Inhalation: In large amounts can cause headache, nausea and mucous membrane irritation

Skin Corrosion/Irritation: Corrosive. Causes severe skin burns and permanent tissue damage.

Eye Damage/Irritation: Corrosive. Causes severe burns and eye damage.

Respiratory or Skin Sensitisation: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (STOT) – Single Exposure: Not classified



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Specific Target Organ Toxicity (STOT) – Repeated Exposure: Not classified

Aspiration Hazard: Not classified

Immediate, Delayed and Chronic Health Effects From Exposure: Not classified

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity: No product data available.
Persistence and Degradability: Not Readily biodegradable.
Bioaccumulative Potential: Low bioaccumulation potential.
Mobility in Soil: Low sorption to soil / sediment, moderate migration to ground water
(Estimated Log KOC value (EpiSuite 4.1 KOCWIN))
Other Adverse Effects: None known

Section 13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with Local/regional/national/international regulations.

Section 14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail.

UN Number: 1719
Dangerous Goods Class: 8
Packing Group: II
Hazchem code: 2R

Proper Shipping Name or Technical Name: CAUSTIC ALKALI LIQUID, N.O.S. (ALKALINE SALTS)

Packing Instruction: P001, IBC02

Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids.

Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis.

Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.



Section 15. REGULATORY INFORMATION

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). This document has been produced in accordance with the requirements of GHS of classification and labelling.

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product and, in particular, how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.



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Section 16. OTHER INFORMATION

Abbreviations and acronyms:

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.
AICS: Australian Inventory of Chemical Substances.
CAS Number: Chemical Abstracts Service Registry Number.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.
HSIS: Hazardous Substances Information System
IARC: International Agency for Research on Cancer
NOHSC: National Occupational Health and Safety Commission.
NTP: National Toxicology Program (USA).
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit.
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.
TWA: Time Weighted Average. UN Number: United Nations Number.

Literature references:

- Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)
- GHS Hazardous Chemical Information List (Safe Work Australia)
- Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.
- Global Harmonized System of Classification and Labelling of Chemicals
- “Australian Exposure Standards”
- Australian Code For The Transport Of Dangerous Goods By Road And Rail
- Standard for the Uniform Scheduling of Medicines and Poisons
- Material Safety Data Sheets – individual raw materials – Suppliers.
- Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]
- Hazardous Substance Information System – National Worksafe Data Base.
- Hazardous Chemical Information System (HCIS).
- Implementation of the globally harmonised system of classification and labelling of chemicals (GHS).
- ECHA (European Chemicals Agency)

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