Ultra Machine Wash Liquid
SAFETY DATA SHEET

Section 1. IDENTIFICATION

Heavy Duty Machine Glass Wash Liquid Concentrate

Description/Use: Glass Washing Machine Detergent
Product Code: 2-325 -05000 (5L) & 2-235-15000 (15L)

Business Name: Made by Zexa
Address: 28 Strathmore Road, Caves Beach NSW 2281
Phone: +61 2 4970 7777 **Fax:** + 61 2 9475 4880
Email: sales@zexa.com.au **Website:** www.zexa.com.au

Issue Date: 7th March 2025 **Review Date:** 7th March 2030
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 the 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 Signal word: DANGER
Skin Corrosion /Irritation Category 1C
Serious Eye Damage/irritation Category 1

HAZARD STATEMENT:
Skin Corrosion /Irritation Category 1C
Serious Eye Damage/irritation Category 1

PREVENTION
P102: Keep out of reach of children.
P103: Read label before use.
P234: Keep only in original container.
P260: Do not breathe fumes, mists, 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 gloves, protective clothing and eye or face protection.

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

Ingredients	CAS No	Conc,%	TWA (mg/m^3)	STEL (mg/m^3)
Sodium hydroxide	1310-73-2	0-10	2 Peak limitation	Not set
Other non hazardous ingredients	Not applicable	to 100	Not set	Not set

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 PH: 13 11 26 (Australia Only)

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 PH: 13 11 26 (Australia Only)

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 is 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

Store in plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs and away from direct sunlight. Store away from strong acids and oxidisers. Keep containers closed when not in use. Check regularly for leaks and spills. It is recommended that this product be dispensed through approved dispensers.
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 6 (Danger) and must be stored, maintained and used in accordance with the relevant regulations.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure
No value assigned by NOHSC for any ingredients used in this product. An Occupational Exposure Standard (OEL) has not been established for the product. Components in Section 3 (Composition Information) have been listed with an OEL as per SWA – Work Exposure Standards for Airborne contaminants.

Ingredients	CAS No	Conc,%	TWA (mg/m^3)	STEL (mg/m^3)
Sodium hydroxide	1310-73-2	0-10	2 Peak limitation	Not set

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.
Skin protection: wear nitrile, neoprene, natural rubber or PVC (vinyl) gloves to prevent skin contact. Replace gloves immediately if signs of degradation are observed.
Respiratory protection: not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715 and AS/NZS 1716.

Engineering Controls
Natural ventilation adequate under normal conditions of use. Avoid generating and inhaling dusts.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	**Colour:**	Clear/straw
Flashpoint (ºC):	Not applicable	**Boiling Point (ºC):**	102°C
Flammability Limits (%):	Not flammable	**Vapour Pressure:**	Not available
Water Solubility:	Complete	**Specific Gravity:**	1.09
Odour	None	**pH:**	13-14

Section 10. STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization will not occur
Stability: Considered stable. For extended storage life, store below 30°C and keep out of direct sunlight.

Hazardous Polymerisation: Will not occur.

Materials to Avoid: Strong oxidising agents. Acids.
Conditions to Avoid: No known conditions to avoid.

Incompatible Materials: Do not mix with other chemicals.

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 Acute Toxicity:
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: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitisation: Not classified

Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified

Section 12. ECOLOGICAL INFORMATION

Specific Target Organ Toxicity (STOT) – Single Exposure: Not classified
Specific Target Organ Toxicity (STOT) – Repeated Exposure: Not classified
Aspiration Hazard: Not classified
Immediate, Delayed or Chronic Health Effects From Exposure: None known

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) <1).

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, CAUSTIC ALKALI LIQUID, N.O.S.
Hazchem Code: 2R
Special Provisions: 274
Emergency Response Guide No: 37
Dangerous Goods Class: Class 8: Corrosive Substances.
Packing Group: II
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 summarises 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.

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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