

Section 1. IDENTIFICATION

Product identifier: Ultra Combi Clean **Product Code:** 2-328
Description /Use: Combination Oven Cleaner
Business name: Zexa Chemicals
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 NSW 2281 Australia
Phone: +61 2 4970 7777 **Fax:** +61 2 9475 4880
Email: sales@zexa.com.au **Website:** www.zexa.com.au

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

Poisons Information Centre Contact Number: 13 11 26

Section 2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road and Rail.

This material is hazardous according to the health criteria of Safe Work Australia.

GHS Classifications

Signal Word: **DANGER**

Serious Eye Damage/Irritation – Category 1

Skin Corrosion/Irritation – Category 1C

Hazard Statements

H314 Causes severe skin burns and eye damage

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe mist, vapours or spray.

P264 Wash hands and face thoroughly after handling.

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

Response Precautionary Statements

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.

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.

P310 Immediately call a **POISON CENTER** or doctor/physician.

Pictograms



Section 3. COMPOSITION INFORMATION

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

Section 4. FIRST AID

Inhalation: Remove victim from exposure - **avoid becoming a casualty (see PPE for First Aiders)**. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. **Urgently seek medical assistance.** Transport to hospital or medical centre.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear gloves, apron, chemical goggles. Available information suggests that gloves made from nitrile rubber, neoprene should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing.

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:

Avoid eye contact and skin 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.

Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition.

Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

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 5 (Caution)** 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 Standard for Airborne Contaminants.

Ingredient Name	CAS No	TWA	TWA	STEL	STEL
Sodium Hydroxide	1310-73-2 – 2	(ppm)	(mg/m3)	(ppm)	(mg/m3)

Engineering Controls:

Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.

Individual Protection Measures:

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/NSZ 1716.

Thermal hazards - Refer to Section 5

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Colour:	Clear/straw
Flashpoint (°C):	Not applicable	Boiling Point (°C):	102
Flammability Limits (%):	Not flammable	Vapour Pressure:	Not available
Water Solubility:	Complete	Specific Gravity:	1.06
pH:	13 to 14	Odour:	None

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.

Section 11. TOXICOLOGY 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:	No effects known
Skin Corrosion/Irritation:	Corrosive. Causes severe burns and permanent tissue damage.
Serious 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
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	Not classified
Aspiration Hazard:	Not classified
Immediate, Delayed or Chronic Health Effects From Exposure:	No information available
Other information:	No data available

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) <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" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

UN Number:	1719
Dangerous goods class:	8
Packing Group:	II



Hazchem code:	2R
Emergency Response Guide No:	37
Proper Shipping Name or Technical Name:	CAUSTIC ALKALI LIQUID, N.O.S. (ALKALINE SALTS)
Segregation Dangerous Goods:	

Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity.

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.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code)

Section 15. REGULATORY INFORMATION

Classification: This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Corrosive to Metals:	Category 1
Skin Corrosion:	Sub-category 1B
Eye Damage:	Category 1
Hazard Statement(s):	
H290	May be corrosive to metals.

H314 Cause severe skin burns and eye damage.

Poisons Schedule (SUMP): S6 Poison CORROSIVE LIQUID, N.O.S

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

Section 16. OTHER INFORMATION

Date of issue: 3rd July 2020

This MSDS 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 MSDS 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

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

Ultra Combi Clean - SAFETY DATA SHEET

- 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)

End