Ultra De Scale - SAFETY DATA SHEET

Section 1. IDENTIFICATION

Product identifier: **Ultra De Scale** **Product Code: 2-326**
Description /Use: Oven and Kitchen Decaler
Business name: Zexa Chemicals
Address: 28 Strathmore Road Caves Beach
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 hazardous according to the health criteria of Safe Work Australia (SWA).

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

GHS Classifications
Signal Word: **DANGER**
Skin Corrosion/Irritation – Category 1C

Pictograms

Hazard Statements
Causes severe skin burns and eye damage

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call the POISONS INFORMATION CENTRE (13 11 26 Australia only).

Store locked up. Dispose of contents and container in accordance with State jurisdiction.

Section 3. COMPOSITION INFORMATION

Chemical Name	CAS Number	Percentage (%)
Phosphoric acid	7664-38-23	30 – 40
All others determined not to be hazardous or below concentration cut-off		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 extinguishing media suited to the materials that are burning eg: dry chemical, CO2 or water fog.

Specific Hazards arising from the chemical: Carbon dioxide, carbon monoxide and other toxic gases may be produced in the case of fire.

Protective Equipment: Firefighters should wear full protective clothing including self-contained breathing apparatus & chemical splash suit. Remove from the vicinity containers not involved in the fire. Ensure no spillage enters drains or water courses.

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 Standards for Airborne Contaminants.

Ingredient Name	CAS No	TWA	TWA	STEL	STEL
Phosphoric acid	7664-38-2 - 1 - 3	(ppm)	(mg/m3)	(ppm)	(mg/m3))

Engineering Controls:
Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual Protection Measures:

Eye and face protection - Chemical resistant goggles should be worn to prevent eye contact.

Skin protection - Wear gloves made from rubber, neoprene, nitrile, polyethylene to prevent skin contact.

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.

Thermal hazards - Refer to Section 5.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	**Colour:**	Amber
Flashpoint (ºC):	Not available	**Boiling Point (ºC):**	Not available
Flammability Limits (%):	Not flammable	**Vapour Pressure:**	Not available
Water Solubility:	Complete	**Specific Gravity:**	1.24
pH:	0.1 to 0.9	**Odour:**	Acidic
Auto-ignition temperature:	Not available	**Viscosity:**	Not available

Section 10. STABILITY AND REACTIVITY

Relative Density:	Not available
Evaporation Rate:	Not available
Vapour Pressure:	Not available
Melting Point/Freezing Point:	Not available
Partition Coefficient:	n-octanol/water Not available
Upper/Lower Flammability or Explosive Limits:	Not available
Reactivity:	Reacts with strong alkalis

Chemical Stability: Stable under normal ambient storage conditions.
Possibility of Hazardous Reactions: Low
Conditions to Avoid: Avoid high temperatures (store below 30ºC). Protect again physical damage.
Incompatible Materials: Stable under normal ambient storage conditions. Strong oxidisers, and metals such as aluminium, copper, nickel, cobalt, iron.
Hazardous Decomposition Products: Oxides of phosphorus, contact with metals produces hydrogen gas.

Section 11. TOXICOLOGY INFORMATION

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 skin 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.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No product data available.
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	Not expected to bioaccumulate.
Mobility in Soil:	Product is expected to rapidly migrate to ground water 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:	1805
Transport hazards class:	Corrosive 8
Packing Group:	III
Hazchem code:	2R
Proper Shipping Name or Technical Name:	PHOSPHORIC ACID, SOLUTION

Environmental hazards for transport purposes: Not applicable
Special user precautions: Not applicable
Additional information: Not applicable

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 the Globally Harmonised System of Classification and Labelling.

Poisons Schedule (SUSMP): S6 Poison

Section 16. OTHER INFORMATION

Date of issue: 6th July 2020

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 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
- 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