SAFETY DATA SHEET

CHESSER CHEMICALS Pty Ltd
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ABN Number: 67 008 262 039

Product: ULTRA TECH

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

SIGNAL WORD: **DANGER**

☎ Emergency Response No: 1800 951 288

RECOMMENDED PPE

Hazards

H314	Causes severe skin burns and eye damage.
H290	May be corrosive to metals

1 IDENTIFICATION

IDENTIFICATION

Product Code:	ULT
Product Name:	ULTRA TECH
Other Names:	Not applicable
Product Use:	Automatic machine dishwashing liquid
Restrictions on use:	Use according to Directions; Use appropriate PPE. Protect skin and eyes, use through dispenser provided

COMPANY DETAILS

Company:	CHESSER CHEMICALS Pty Ltd
ABN Number:	67 008 262 039
Address:	124 Days Road FERRYDEN PARK SA 5010
Telephone Number:	(08) 8406 0000
Facsimile Number:	(08) 8406 0099
Emergency Telephone Number:	CHEMWATCH 1800 951 288

Other Information: This information summarises our best knowledge on the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

2 HAZARD IDENTIFICATION

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

Classification of the substance or mixture:

Corrosive to Metals	- Category 1
Skin Corrosion	- Category 1
Eye Damage	- Category 1

SIGNALWORD:

DANGER

Corrosion

Hazard Statements

Physical hazards

H290	May be corrosive to metals.

Health hazards

H314	Causes severe skin burns and eye damage.

Environmental hazards

H402	Harmful to aquatic life

Other Hazards

Not Listed

Precautionary statements

General precautionary statements

Prevention precautionary statements

P234	Keep only in original container.
P260	Do not breathe mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response precautionary statements

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

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before re-use.
P310	Immediately call a POISON CENTRE or doctor/physician.
P321	Specific treatment (see First Aid Measures on Safety Data Sheet).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P390	Absorb spillage to prevent material damage.

Storage precautionary statements

P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.

Disposal precautionary statements

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUSMP): S6 Poison.

3 COMPOSITION

Ingredients

Chemical Entity	CAS Number	Proportion	Risk Phrases
POTASSIUM HYDROXIDE	[1310-58-3]	1 - 10%	H290 H314 H318
SODIUM HYDROXIDE	[1310-73-2]	1 – 10%	H290 H314 H318
DISODIUM METASILICATE	[10213-79-3]	1 – 10%	H302/312 H314 H318
Water	[7732-18-5]	> 60%	
Ingredients determined not to be hazardous		Balance	

4 FIRST AID MEASURES

Ingestion: If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek urgent medical attention.

Eye: If in eyes, hold eye lids apart and flush eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a doctor, or for at least 15 minutes. Seek urgent medical attention.

Skin: If skin contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not re-use contaminated clothing until washed. Seek medical attention.

Inhaled: Remove from contaminated area to fresh air. If problem persists seek urgent medical attention

First Aid Facilities Eye wash and safety shower

Advice to Doctor Treat symptomatically, Can cause severe eye damage.

5 FIRE FIGHTING MEASURES

Fire Extinguishing Media: Use appropriate extinguishing media to suit surrounding area

Hazards from Combustion: Material does not burn

Precaution for Fire Fighters: Wear chemical splash suit and SCBA

Corrosive liquid. Contact with metals may evolve flammable hydrogen gas

Hazchem 2R

6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing

Clean Up Spills will be slippery so treat promptly. For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Collect and put into plastic bags and dispose of through waste disposal contractor. Rinse area with water.

7 HANDLING AND STORAGE

Handling Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product

Storage Corrosive product. Store in cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as acids, aluminium and zinc. Ensure storage area is secure

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards None listed for product.

Engineering Controls Do not inhale vapours. Use in well ventilated area and maintain levels below exposure standards.

Personal Protective Equipment Wear chemical goggles or safety glasses and impervious gloves when using product. Use through the electronic dispensing equipment. Be sure that the equipment is functioning correctly and use care when servicing the equipment

Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

RECOMENDED

CHEMICAL GOGGLES or SAFETY GLASSES
IMPERVIOUS GLOVES
FACE SHIELD

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716

.9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear red coloured liquid
Formula	Not applicable.
Odour	Odourless
Vapour Pressure	Not applicable.
Vapour Density	Not determined
Boiling Point	> 100°C
Melting Point	Not applicable. C
Solubility in Water	Soluble at use dilutions
Specific Gravity	1.20
Flash Point	Not applicable.
pH	>13.0 (1% solution)
Lower Explosion Limit	Not applicable.
Upper Explosion Limit	Not applicable.
Ignition Temperature	Not applicable.
Specific Heat Value	Not applicable.
Particle Size	Not applicable.
Volatile Organic Compounds (VOC) Content	Not applicable.
Evaporation Rate	Not applicable.
Viscosity	Not applicable.
Percent Volatile	>60%
Octanol/Water partition coefficient	Not applicable.
Saturated Vapour Concentration	Not applicable.
Additional Characteristics	Not applicable.
Flame Propagation/Burning Rate of Solid Materials	Not applicable.
Properties of Materials That May Initiate or Contribute to Fire Intensity	Not applicable.
Potential for Dust Explosion	Not applicable.
Reactions that Release Flammable Gases	Contact with reactive metals may evolve highly flammable hydrogen gas
Fast of Intensely Burning Characteristics	Not applicable.

Non-flammables That Could Contribute Unusual Hazards to a Fire Not applicable.
Release of Invisible Flammable Vapours and Gases Not applicable.
Decomposition Temperature Not determined
Additional Information

10 STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage.
Hazardous Decomposition Products: May emit heat when mixed with acids.
Hazardous Polymerization: Will not occur.
Incompatibilities: Incompatible with acids, oxidising agents (i.e. peroxides), active metals and heat.
Conditions to Avoid: Incompatible with acids, oxidising agents (i.e. peroxides), active metals aluminium, tin and zinc

11 TOXICOLOGICAL INFORMATION

Ingestion Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract
Eye Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness
Skin Contact with skin will result in severe irritation. Corrosive to skin – may cause skin burns
Inhalation Mist generated may cause severe irritation to the mucous membranes and upper respiratory tract
Toxicological Data Non available for ULTRA TECH.

12 ECOLOGICAL INFORMATION

Ecotoxicity No data available.
Persistence and Degradability Does not cause biological oxygen deficit. Methods for determination of biodegradability can not be applied to inorganic substances.
Mobility Fully soluble in water.
Environmental Fate (Exposure) Do NOT let product reach waterways, drains and sewers.
Bioaccumulative Potential No information available on bioaccumulation for this product.

13 DISPOSAL CONSIDERATIONS

Disposal Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/ reconditioned at an approved facility.
Special Precautions for Land Fill or Incineration Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'.

14 TRANSPORT INFORMATION

Road and Rail Transport
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN No: 1719
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name: CAUSTIC ALKALI LIQUID N.O.S. (Contains Potassium hydroxide)
Hazchem or Emergency Action Code: 2R

Marine Transport
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1719
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name or Technical Name: CAUSTIC ALKALI LIQUID N.O.S (Contains Potassium hydroxide)
IMDG EMS Fire: F-A
IMDG EMS Spill: S-B

Air Transport
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1719
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name or Technical Name: CAUSTIC ALKALI LIQUID N.O.S. (Contains Potassium hydroxide)

15 REGULATORY INFORMATION

Poisons Schedule S6
EPG 8A1
AICS Name All the constituents of this material are listed on Inventory.

Classification:
This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
And a Dangerous Good according to ADG Code

Classification of the substance or mixture:

Corrosive to Metals	- Category 1
Skin Corrosion	- Category 1
Eye Damage	- Category 1

Hazard Statement(s):

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage

16 OTHER INFORMATION

Literature References No data available.
Sources for Data No data available.

Legend to Abbreviations and Acronyms

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
cm^2	square centimetres
CO_2	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	degrees Celsius
ERMA	Environmental Risk Management Authority
G	gram
g/cm^3	grams per cubic centimetre
g/l	grams per litre
LD50	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
Ltr	Litre
m^3	cubic metre
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic metre
Misc	miscible
Miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
mPa.s	milli Pascal per second
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	liquids are insoluble in each other
Kg	kilogram
kg/m^3	kilograms per cubic metre
LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
N/A	Not Applicable
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	tonne
TWA	Time Weighted Average
ug/24H	micrograms per 24 hours
UN	United Nations (number)
Wt	weight

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