



Material Safety Data Sheet

COMPLEX

1. Identification of the material and supplier

PRODUCT NAME:	COMPLEX
OTHER NAMES	
RECOMMENDED USE	Detergent for Machine Dishwashing
COMPANY:	Cleveland Cleaning Supplies ABN: 61 001 175 748
ADDRESS:	23 Forrester Street Kingsgrove NSW 2208 Australia
BUSINESS TELEPHONE:	(02) 9503 0100 1300 760 765 (Australia wide)
BUSINESS HOURS ONLY:	7.30 AM – 5PM (E.S.T.)
FAX:	(02) 9503 0199
EMAIL:	sales@cleveland.com.au
EMERGENCY TELEPHONE:	000
POISONS INFORMATION CENTRE PHONE	13 11 26
FOR EMERGENCY RESPONSE:	000

2. Hazards identification

DANGEROUS GOODS	HAZARDOUS SUBSTANCE	
RISK PHASES	C R35	Corrosive Causes severe burns
SAFETY PHASES	S1/2 S26 S36/37/39 S 45	Keep locked up and out of reach of children In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Wear suitable protective clothing, suitable gloves and eye and face protection In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3. Composition/ information on ingredients

NAME	CAS	PROPORTION
Sodium Hydroxide	1310-73-2	10- <30%
Potassium Hydroxide	1310-58-3	<10.0%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC and ADG code (respectively) at the levels used in this product.

Other ingredients determined not to be hazardous	<10%
WATER	7732-18-5 >60%

4. First Aid measures

SWALLOWED	Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre, Phone Australia 13 1126 or a doctor.
EYE	If in eyes, hold eyelids apart and flush eyes continuously with running water. Continue flushing until advised to stop by the poisons Information Centre or a doctor, or for at least 15 minutes. Obtain medical attention immediately.
SKIN	If skin or hair contact occurs, remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water.
INHALED	If symptoms are experienced, such as cough, dry throat, difficulty in breathing, nasal congestion and headaches or dizziness remove source of contamination or move victim to fresh air.



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FIRST AID FACILITIES Ensure eyewash and safety shower facilities are available in workplace.

Additional information / Aggravated medical conditions

No Data

5. Fire fighting measures

Suitable extinguishing media

Large fire Use water spray and fog
If safe to do so, move undamaged containers from fire area – Do not approach hot containers
Cool containers with water before handling
If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

Special protective precautions and equipment for fire fighters

If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE

2R

6. Accidental release measures

Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.
Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY

Avoid storage with Acids.
Incompatible with acids.

STORAGE REQUIREMENTS

Keep out of reach of children
Keep locked up
Store away from incompatible materials.
Avoid storage at temperatures higher than 30°C
Protect containers against physical damage and check regularly for leaks

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS

No exposure standards have been established for this material. Exposure standards recommended by A.S.C.C. Australia for some ingredients are as follows:

TWA (TIME WEIGHED AVERAGE)

	mg/m ³	ppm
Potassium Hydroxide	2 peak limit	
Sodium Hydroxide	2 peak limit	

ENGINEERING CONTROLS Use in well ventilated areas.

PERSONAL PROTECTION

RESPIRATOR TYPE

Where ventilation is not adequate, respiratory protection may be required. Respiratory protection should comply with AS/NZS 1715.

EYE PROTECTION

Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.

GLOVE TYPE

Chemical resistant gloves provide adequate protection.

CLOTHING

Wear protective plastic or PVC apron to prevent contact with clothing.



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Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

APPEARANCE	Clear water like liquid
ODOUR	Musty odour
PH	13.9
VAPOUR PRESSURE	Not Determined
VAPOUR DENSITY	Not Determined
BOILING POINT	Approximately 100°C (for liquid concentrate)
BOILINGRANGE	Not available
MELTING POINT	Not available
SOLUBILITY IN WATER	Miscible
SPECIFIC GRAVITY	1.270 (for liquid concentrate) water = 1.000
FLASH POINT	Not applicable
FLAMMABILITY LIMITS	Not applicable

10. Stability and reactivity

Stable under normal conditions of storage and use. Keep cool, do not expose to direct sunlight.

11. Toxicological information

Health effects from acute exposure

SWALLOWED	Corrosive. Can cause severe damage to throat, lungs and stomach.
EYE	Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately
SKIN	Corrosive to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.
INHALED	Can be irritating to the nose, throat and upper respiratory tract.

Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.

12. Ecological information

No Data

13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

14. Transport information

TRANSPORTATION

UN CLASS	1719
PROPER SHIPPING NAME	Caustic Alkali Liquid, N.O.S
DG CLASS	8
SUBSIDIARY RISK	none allocated
PACKAGING GROUP	11
RECOMMENDED USE	Detergent for machine dishwashing, food process cleaning.

15 Regulatory information

POISONS SCHEDULE 6



CLEANSING SUPPLIES

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16. Other information

Produced by: Cleveland Cleaning Supplies Pty Ltd, ABN: 61 001 175 748

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END OF REPORT
