

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

CIP 247

Liquid Caustic Cleaner and Chlorine Sanitiser.
MPI Approved C31 (all animal product except dairy).

CHEMICAL SOLUTIONS LTD

1 Freight Place
Airport Oaks
Auckland 2022
New Zealand.

PO Box 107-105, Auckland Airport 2150, Auckland, New Zealand.

Phone: (64-9) 255-5609
Fax: (64-9) 255-5610
E-mail: sales@kemsol.co.nz
Website: www.kemsol.co.nz

EMERGENCY CONTACT: Phone: (64-9) 255-5609 Open Hours: 8am - 5pm, Monday to Friday
After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

2. HAZARD IDENTIFICATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.
This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

6.1D (oral) Harmful if swallowed. 8.3A Causes serious eye damage.
8.1A May be corrosive to metals. 9.1B Toxic to aquatic life with long lasting effects.
8.2B Causes severe skin burns and eye damage.

Cleaning Products Corrosive Group Standard: HSR002526

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Sodium hydroxide (CAS# 1310-73-2)	237g per Litre
Sodium hypochlorite (CAS# 7681-52-9) (as 100% NaOCl)	67g per Litre
Corrosion & antiscaling inhibitor	<2%
Water	20 - 50%

4. FIRST AID MEASURES:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.
MEDICAL ASSISTANCE: If discomfort persists call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice.
Have label or Safety Data Sheet on hand.

5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Containers subject to the heat of a prolonged fire may explode or erupt scattering contents. Where possible remove drums and containers from the path of a fire, or cool with water spray.
Firefighters must wear SCBA and chemical resistant suits.
Firefighters may use fog (preferred) or water spray (not jet), foam, CO₂, or dry chemical powder to extinguish a fire in the vicinity.

6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Signage preventing foot traffic should be erected where appropriate.
Minor spills (up to 20 litres) should be diluted with water, neutralised where possible and removed with mops, absorbed with Mineral Sponge, dry rags, paper, sand, or soil. It may be possible to drain small neutralised spills to wastewater where this is permitted.
Large spills (drums and IBCs) should be contained from local drainage with any suitable bund or barrier. If possible dilute the spill without increasing the possibility of non-containment, and clean up with absorbant material such as Mineral Sponge, dry earth, sand, or soil.
Where a liquid suction cleaning machine is available, it should be used only after neutralising the spill.

7. HANDLING AND STORAGE:

Precautions for Safe Handling:

Keep out of reach of children. Read label before use. Keep only in original container. Do not breathe spray.
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.
Wear protective gloves, protective clothing and eye /face protection.

Precautions for Safe Storage:

Store in corrosive resistant with a resistant inner liner or in original container. Store locked up. Store drums and carboys with secure closures in sites where they can be kept cool and dry, and away from heat sources. Always replace lids and caps after using the product.
Return all packages to safe storage as soon as possible after use.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls:	No data is available for the product. WES for chlorine TWA 1.5 mg/cu m. STEL 2.9 mg/cu m.
Eye protection:	Safety glasses or face shield.
Protective clothing:	Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).
Respiratory protection:	Not required for the regular use of this product. If the liquid is being sprayed or vaporised, a face shield and/or respirator must be worn. These operations should be carried out by trained personnel only.
Ventilation:	Where spraying or vaporising is being carried out, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear slightly yellow liquid
Odour	Slight chlorine smell
pH	1% solution 12.6
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.30
Refractive Index	-
Viscosity	Low
Relative Foam	Nil
Solubility in water	Completely in all proportions

10. STABILITY AND REACTIVITY:

The product is considered stable under normal storage conditions.
 Avoid contamination with oxidising substances.
 Hazardous polymerisation will not occur.
 Combustion of this product will release chlorine and oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION:

No data is available for the product.
 Sodium hydroxide: LD50 Rabbit 1350 mg/kg
 Sodium hypochlorite 15% solution: Oral mouse LD50 5800 mg/kg. Oral rat LD50 8910 mg/kg.

12. ECOLOGICAL INFORMATION:

No data is available for the product.
 Sodium hydroxide: LC50 *Oncorhynchus mykiss* (freshwater fish) 45.4 mg/l 96 hr.
 Sodium hypochlorite 15% solution: LC50 *Culpea pallasi* (Pacific herring) 0.065 mg/l 96 hr.
 Sodium hypochlorite 15% solution is rapidly degradable and non bioaccumulative.

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill or incineration is the preferred method.
 Spilled liquids may be neutralised, diluted, and disposed of through town wastewater systems where these are authorised for industrial use.
 Wash empty plastic containers before recycling.

14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005	Classified as a Dangerous Goods for Land Transport in New Zealand.
UN Number:	1824
Dangerous Goods Class:	8
Proper shipping name:	Sodium hydroxide solution
Hazchem Group:	2R
Packing Group:	II

15. NZ REGULATORY INFORMATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.
 This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.
 Cleaning Products Corrosive Group Standard: HSR002526
 HSNO Act Controls Regulations 2001 for the product:
 Limit and monitor exposure during the use of the product Make use of suitable equipment for handling the product
 Wear suitable protective clothing while being used
 Limit exposure to the environment Dispose of waste or spilt material only through a recognised expert company

16. OTHER INFORMATION:

Formulation reference and version number: S3-172
 This SDS was prepared from data available on 05 July 2018
 This SDS was printed on 22 July 2019
 This SDS will be reviewed no later than 31 August 2021

END OF THIS SAFETY DATA SHEET