

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

HALO

Thickened Bleach

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

8 am to 5 pm Mon to Fri

After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

2. HAZARD IDENTIFICATION:

Hazardous Substances and New Organisms Act (HSNO) 1996 and Classification Regulations 2001 for the product of this concentration.
Approved under Cleaning Products Corrosive Group Standard HSR No: 002526

HSNO Hazard Classification & Hazard Statements	
6.1E (Oral) May be Harmful if swallowed	9.1B Toxic to aquatic life with long lasting effects
8.2B Causes severe skin burns	
8.3A Causes serious eye damage	

Precautionary Statements
Keep out of reach of children.
Read label before use.
Wash hands thoroughly after handling.

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Water (CAS Number: 7732-18-5)	20– 50 %
Sodium Hydroxide (CAS Number: 1310-73-2)	< 2.0 %
Sodium Hypochlorite (CAS Number: 7681-52-9)	20 – 50 %
Sodium Lauryl Ether Sulphate(9004-82-4)	20 – 50 %

4. FIRST AID MEASURES:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
IF ON SKIN: Wash affected area with copious volumes of water. If clothing is contaminated, remove and wash the affected skin area. If irritation or swelling occurs, seek medical advice.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Do NOT induce vomiting. Administer 2 glasses of water and if discomfort persists seek medical service.
MEDICAL ASSISTANCE: If discomfort persists, call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice. Have this label or Safety Data Sheet on hand.

5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Drums subject to the heat of a prolonged fire may explode or erupt scattering contents with possibility of enhancing combustion. Where possible remove drums and containers from the path of a fire, or cool with water spray.
Firefighters may use water spray, jet, fog, 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 (less than 100 litres) should be contained from drainage, diluted with water, neutralised where appropriate, and removed with mops, or absorbed with Mineral Sponge, rags, paper, sand, or soil. It may be possible to drain small spills to town wastewater services where permitted by local authorities.
Large spills (drums and IBCs) should be contained from local drainage with any suitable bund or barrier. Clean up with absorbant material such as Mineral Sponge, paper, rags, sand or soil. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spilt product.

7. HANDLING AND STORAGE:

Store containers in sites where they can be kept cool and dry and away from heat sources. Liquid products in drums and carboys must have secure closures which fit.

Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on an easily seen location on the container.

After use, always replace lids and caps and return to safe storage as soon as possible.

There are no specific transport restraints for this material in secure containers.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls: No data is available for this product.

Eye protection: Safety glasses.

Protective clothing: Chemically impregnable gloves, protective work clothes (a coat, apron or overalls).

Respiratory protection: Not required for the regular use of this product. If the liquid is being vaporised, a face shield and/or respirator may be required. 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	Strong chlorine Odour
pH	1 % solutions 11.20 – 11.80
Flash Point	N/A
Ignition Point	N/A
Specific Gravity	1.07
Refractive Index	17 - 19
Viscosity (mPas)	3000 - 4500
Relative Foam	N/A
Solubility in water	Completely in all proportions

10. STABILITY AND REACTIVITY:

The product is considered stable in normal storage and use. Evaporation will occur if exposed to air.

Avoid contamination with oxidising substances.

Hazardous polymerisation will not occur.

Combustion will release 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. Wash empty containers before recycling.

14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2016

Not hazardous for transport in NZ

15. NZ REGULATORY INFORMATION:

Hazardous Substances Act (HSNO) 1996 & Classification Regulations 2001 for the product of this concentration:

Cleaning Products Corrosive Group Standard: HSR No: 2526.

HSNO Act Controls Regulations 2001 for this product:

Wear gloves and eye safety glasses handling this product

Use good well defined measures to make dilutions

Use buckets to dilute this product before use

Keep unused product in secure containers to prevent mistaken use

Label or mark containers used to hold this product

16. OTHER INFORMATION:

Formulation reference and version number: KE1 - 047

This SDS was prepared from data available on 9 October 2017

This SDS was printed on 9 October 2017.

This SDS will be reviewed no later than 9 October 2017

END OF THIS SAFETY DATA SHEET