

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

INTEGRATE ULTIMATE

Automatic Glass & Dishwashing Liquid

CHEMICAL SOLUTIONS LTD

1 Freight Place

Airport Oaks

Auckland

Auckland 2022

New Zealand

PO Box 107-105, Auckland Airport 2150, 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	
6.1D Harmful if swallowed.	8.1A May be corrosive to metals.
8.2B Causes severe skin burns and eye damage.	8.3A Causes serious eye damage.
9.3B Toxic to terrestrial vertebrates	

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Potassium Hydroxide (CAS Number: 1310-58-3)	< 35 %
Pentasodium triphosphate (CAS Number: 7758-29-4)	< 7 %

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 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 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.

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.

Large spills (drums and ICB's) 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. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep only in original container. Do not breathe mist or spray. Wear protective gloves, protective clothing and eye protection/face protection. Avoid release to the environment.

Precautions for Safe Storage

Store in corrosion resistant container with a resistant inner liner or in the original container. Store locked up. 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 the container. 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. Hydrochloric Acid WES 5 ppm Ceiling.
Eye protection: Safety glasses.
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 as an urinal and toilet cleaner. The product should not evolve harmful amounts of hydrogen chloride vapour while at ambient temperatures. DO NOT HEAT UNDER ANY CIRCUMSTANCES.
Ventilation: Ensure adequate ventilation is available where the product is being used.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear colourless liquid
Odour	None
pH	14.0 (1 % solution 12.5)
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.28
Refractive Index	31 Bx.
Viscosity	Not Applicable
Foam	Low
Solubility in water	Completely in all proportions

10. STABILITY AND REACTIVITY:

The product is considered stable under normal storage conditions. Contact with metals will corrode the surface.
Avoid contamination with oxidising substances.
Hazardous polymerisation will not occur.
Combustion of this product will release hydrogen chloride and oxides of carbon & nitrogen.

11. TOXICOLOGICAL INFORMATION:

No data is available for the product.
Potassium hydroxide: Toxicity Oral (rat) LD50: 273 mg/kg. Irritation Human skin 50 mg/24hr severe.

12. ECOLOGICAL INFORMATION:

No data is available for the product.
Potassium hydroxide: LC50 Gambusia affinis (fresh water fish) 80 mg/l 96 hr

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Neutralisation and disposal to trade waste sewer is the preferred method.
Spilled liquids may be neutralised, diluted, and disposed of through town wastewater systems where these are authorised for industrial use.
Used containers should be rinsed, 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:	1789
Dangerous Goods Class:	8
Proper shipping name:	Potassium Hydroxide solution
Hazchem Group:	2R
Packing Group:	II

15. NZ REGULATORY INFORMATION:

Hazardous Substances Act (HSNO) 1996 and Classification Regulations 2001:	
Industrial & Institutional Cleaning Products Toxic 6.1 & Corrosive Group Standard:	HSR No: 2595.
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	Do not expose product to any form of ignition source
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: R8- 120
This SDS was prepared from data available on 21 March 2017
This SDS was printed on 14 June 2017.
This SDS will be reviewed no later than 21 March 2022

END OF THIS SAFETY DATA SHEET