SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION:

FORMULA

An economical glass & dish detergent for automatic dishwashers. MPI Approved C31 (all animal product except dairy).

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CHEMICAL SOLUTIONS LTD

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 Auckland 2022
 E-mail: sales@kemsol.co.nz

 New Zealand.
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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:

This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

6.1D Harmful if swallowed or skin contact occurs.
8.3A Causes serious eye damage
8.1A May be corrosive to metals.
8.3B Toxic to terrestrial vertebrates.

8.2B Causes severe skin burn.

Cleaning Products Corrosive Group Standard: HSR No:002526.

3 COMPOSITION & INFORMATION ON INGREDIENTS:

Potassium hydroxide (CAS# 1310-58-3) 100-300g /Litre Builders 10-20 % Water > 60 %

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. Immediately call a POISON CENTER or doctor.

IF ON SKIN OR HAIR: Rinse skin with water. Remove immediately all contaminated clothing. Wash contaminated clothing before reuse.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

MEDICAL ASSISTANCE: IF exposed or concerned get medical advice/ attention. 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. It may be possible to drain small neutralised spills to wastewater where this is permitted.

Large spills (drums and IBC'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 spray. Wear protective gloves, protective clothing and eye protection/face protection. Avoid release to the environment.

Precautions for Safe Storage

Store drums and carboys with secure closures in sites where they can be kept cool and dry, and away from heat sources.

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.

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8 EXPOSURE CONTROLS & PERSONAL PROTECTION:

No data is available for the product. Exposure controls:

Safety glasses. Eye protection:

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.

Where spraying or vaporising is being carried out, ensure there is ready access to eyewash units and safety shower. Ventilation:

Also ensure adequate ventilation is provided in the work space.

9 PHYSICAL AND CHEMICAL PROPERTIES:

Clear colourless liquid Appearance

Odour None

nН 14 0 1% solution 12.4

Flash Point Not applicable **Ignition Point** Not applicable Specific Gravity 1.20 Refractive Index 24 % Bx. Not applicable Viscosity Relative Foam Very low Completely Solubility in water

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 oxides of carbon and 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. 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. Used containers should be rinsed, not recycled, but disposed of in landfill or incinerated

14 TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005 Classified as a Dangerous Goods for Land Transport in New Zealand. 1814

UN Number: Dangerous Goods Class:

8

Proper shipping name:

Potassium hydroxide solution

Hazchem Code:

2R

Packing Group:

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15 NZ REGULATORY INFORMATION:

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

Cleaning Products Corrosive Group Standard:

HSR No: 002526.

HSNO Act Controls Regulations 2001 for Kemsol Formula

Make use of suitable equipment for handling the product

Limit and monitor exposure during the use of the product Wear suitable protective clothing while being used

Dispose of waste or spilt material only through a recognised expert company

Limit exposure to the environment

16 OTHER INFORMATION:

R9 - 54Version 3 Formulation reference and version number:

This SDS was prepared from data available on 09 August 2018

This SDS was printed on 9 August 2018.

This SDS will be reviewed no later than 8 August 2021

END OF THIS SAFETY DATA SHEET

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