

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Kemsol ALKA 600

A heavy duty alkaline detergent powder for cleaning heavily soiled processing equipment and floors. MPI Approved C38 (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 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 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 Harmful if swallowed or skin contact occurs.
- 8.1A May be corrosive to metals.
- 8.2B Causes severe skin burn.
- 8.3A Causes serious eye damage.
- 9.1C Harmful to aquatic life with long term effects.
- 9.3C Harmful to terrestrial vertebrates.

Cleaning Products Corrosive Group Standard:

HSR No: 00002526.

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Sodium hydroxide (1310-73-2)	600 g per kg
Builders	20 – 50 %
Surfactants	2 – 10 %

4. FIRST AID MEASURES:

Contact with eyes:	Rinse eyes with running water holding back eyelids for 15 minutes. If irritation persists, seek immediate medical advice with transport to hospital or emergency clinic possible.
Contact with skin:	Wash affected area with copious volumes of water (use emergency shower). If clothing is contaminated, remove and wash the affected skin area. If irritation or swelling occurs, seek medical advice.
After inhalation:	If the patient is exposed to a dust cloud, remove from exposure to a comfortable location and seek medical advice.
After ingestion:	Do Not Induce Vomiting. Administer 2 glasses of water or milk and seek immediate medical advice. Transport to hospital or emergency clinic without delay.
Advice to Doctor:	Treat patient for acute exposure to material with corrosive and toxic effects. Have this SDS or a product label on hand.

5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Packages subject to the heat of a fire may burn scattering contents in the vicinity. If water is used to fight the fire, dissolved powder will flow to the lowest levels. Where possible remove all packaging from the path of a fire while still dry.
Firefighters must wear SCBA and chemical resistant suits.
Firefighters should use foam, CO₂, or dry chemical powder to extinguish a fire in the vicinity. Water jet, spray, or fog on large fires only.

6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface if moisture is around. Signage preventing foot traffic should be erected where appropriate. Spills should be carefully contained from spreading beyond the spill area and swept up with brooms and shovels or a mechanical vacuum cleaner if appropriate for corrosives, and the debris placed in open top-drums which can be closed and removed to landfill.

7. HANDLING AND STORAGE:

Store sealed unopened bags in sites where they can be kept cool and dry, and away from heat sources.
Handle to prevent damage to packages. Should packaging become damaged, repack into clean and dry bags, or containers of a suitable type to hold the powder and mark the product name carefully on the bag or container.
After using the product, always close the inner liner plastic bag, then fold over the top of the outer bag and seal closed with adhesive tape.
After use, return all packages to safe storage as soon as possible.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls: No data is available for the product. Sodium Hydroxide W.E.S. 2 mg/cu m.
 Eye protection: Safety glasses.
 Protective clothing: Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).
 Respiratory protection: Should the operator be subject to dust in the routine handling of this product, a mouth and nose filter guard should be used. If subject to regular dust clouds a respirator should be used.
 Ventilation: Where an operator is subject to dusty conditions, 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 White granular powder
Odour None
pH 13.7 for 1% solution
Solubility in water Complete for typical working levels.

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. For sodium hydroxide LD50 Rabbit 1350 mg/kg

12. ECOLOGICAL INFORMATION:

No data is available for the product. For sodium hydroxide LC50 Fish (96Hr) 43 mg/l.

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill is the preferred method.
 Spilled powders should be recovered by broom and shovel into open ended drums which can be closed prior to disposal.
 Used bags should be 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.
UN Number:	1823
Dangerous Goods Class:	8
Proper shipping name:	Sodium hydroxide solid
Hazchem Code:	2W
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.
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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: Version 2.
 This SDS was prepared from data available on 05 July 2018.
 This SDS was printed on 5 July 2018.
 This SDS will be reviewed no later than 31 August 2021.

END OF THIS SAFETY DATA SHEET