SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

FOAM FORCE

An enhanced high foaming cleaner and sanitiser
MPI Approved C38 (All animal product except dairy)
Passed AsureQuality Assessment for food/beverage/dairy factory food contact surfaces, non-CIP, with residues drained and minimized e.g safe rinsed H3253 with conditions.

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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
9.1B Toxic to aquatic life with long lasting effects
9.3B Toxic to terrestrial vertebrates.

Cleaning Products Corrosive Group Standard: HSR002526

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Potassium hydroxide (CAS# 1310-58-3)	20 - 50%
Sodium hypochorite 15% solution (CAS# 7681-52-9)	4.5%
Free Available Chlorine in a 1% soln	450 ppm when packed
Surfactants	10 - 20 %

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:	A non-volatile product in normal use. But if subject to vapourisation remove the patient 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.
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:

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.

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.
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 colourless liquid
Odour	None
pH	12.5 (1% solution)
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.226 ± 0.01
Refractive Index	32.0 % Brix
Viscosity	Not applicable
Relative Foam	High
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 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.
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.
Potassium hydroxide: LC50 Gambusia affinis (fresh water fish) 80 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 biodegradable and non bioaccumulative.
Surfactants used in this product are classed. Readily Biodegradable according to the European Union Detergents Regulations #648/2004.

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.
UN Number:	1814
Dangerous Goods Class:	8
Proper shipping name:	Potassium 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: R9 - 72
This SDS was prepared from data available on 31 August 2019
This SDS was printed on 10 August 2021
This SDS will be reviewed no later than 31 August 2024

END OF THIS SAFETY DATA SHEET