

**APPLICATION:**

Caustic-Kleen can be used for:

- Periodic cleaning of milking machines & milk vats to remove fatty grime build up,
- Cleaning mould, algae and slime from concrete, and
- Clearing blocked drains.

**PACKAGINS SIZES:**

Caustic-Kleen is available in 5 kg, 10kg and 25kg pails / buckets.

**RESPONSIBLE CARE WITH CHEMICALS:**

As with all hazardous substances, please use this product with care, be aware of the dangers and the necessary actions to take in the unfortunate case of an accident or incident. Obviously keep out of reach of children. Read label and this technical flyer. Safety data sheets (SDS) are also available on request from HamChem – please read them too.

- Causes severe skin burns and eye damage.
- Do not eat, drink or smoke while using the product.
- Wear protective gloves/clothing and eye/face protection.
- Avoid breathing fumes/mist/vapours/spray. Use outdoors or in a well ventilated area.
- Store locked up and in the original container. May be corrosive to metals.
- Toxic to aquatic life, avoid release to the environment. In case of spillage – contain spill using sand, earth or other dry inert material and prevent run off from entering drains and waterways. Collect absorbed material and place in clearly labeled containers for disposal. Wash area with copious amounts of water. If product enters drains or waterways inform local environmental authorities immediately.

**FIRST AID:**

If medical advice is needed, have product container, label or SDS at hand.

**IF ON SKIN (or hair):** Remove all contaminated clothing immediately. Rinse with large amounts of running water & scrub affected area if possible. Wash contaminated clothing before re-use. Call poison centre or Doctor/Physician.

**IF IN EYES –** Flush eye continuously with running water. Ensure complete irrigation of eye by keeping eyelids apart, away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poison Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**IF SWALLOWED –** Do NOT induce vomiting. Give water to rinse out mouth, then provide liquid slowly & as much as casualty can comfortably drink. Transport to hospital or doctor without delay.

**IF INHALED –** Remove to fresh air. Seek medical attention.

**National Poisons Centre – 0800 764 766**  
**IN EMERGENCY – Ring 111** then ask for ambulance for medical help, or fire for major spills.

**RECYCLING OF CONTAINER:**

Please do not disposal of Caustic-Keen buckets - instead rinse thoroughly, remove the label and reuse as a sturdy bucket. Otherwise HamChem will dispose of empty HamChem containers for free.

**DIRECTIONS:**

**Milking Machines & Vats:** Use Caustic-Kleen for periodic cleaning (once to twice weekly) of milking machines & milk vats in addition to your normal cleaning regime.

1. Dilute to approximately 1% by adding 5 - 10 grams of Caustic-Kleen per litre of water.
2. For milking machines, use at least 5 litres of solution per set of cups and pass through at least 3 times.
3. For Vats, dilute Caustic-Kleen to 1% in hot-water (above 80°C) and recirculate for at least 5 minutes.
4. Rinse preferable with hot water & sanitise with an appropriate MPI Approved product, before opening & draining plant.

**Cleaning Concrete:** Clean mould, algae and slime from concrete.

1. Dilute to approximately 0.5% by adding about 5 grams of Caustic-Kleen per litre of water.
2. Spray or splash carefully onto concrete, leave to soak and scrub (if necessary).
3. Rinse / hose off with water.

**Clearing Blocked Drains:** Unblock drains with a strong Caustic-Kleen solution in hot water.

1. Dilute to approximately 15% by adding about 150 grams of Caustic-Kleen per litre of hot-water.
2. Fill drain and leave to soak.
3. If the blockage does not dissolve immediately, use a flexible rod to assist the removal of the blockage.

**Water Treatment:** Neutralise acidic water with dilute Caustic-Kleen.

1. Dilute to approximately 10% by adding about 100 grams of Caustic-Kleen per litre of water.
2. 100 mls of 10% caustic solution will neutralize 1000 litres of water with an acidity of 10 ppm carbon dioxide (CO<sub>2</sub>).
3. To prevent the pH from going past the neutral point, we recommend that the initial dose rate is set to 50% of neutralization and then finely (& slowly) adjusted to achieve the desired pH range.
4. For the best results, test the pH regularly, particularly in the initial stages of set-up.

**HAZARDOUS SUBSTANCE:**

- 99% Sodium Hydroxide / Caustic Soda

HAZCHEM – 2R, CAS NO – 1310-73-2

UN NO – 1824, CLASS – 8, P/GROUP – II

HSNO Classifications – 6.1D, 8.1A, 8.2B, 8.3A, & 9.1D.

HNSO Approval Number: HSR002526.

Group Standard: Cleaning Product (Corrosive).

**FARM TREAT:**

Farm Treat is a brand of:

HamChem – Hamilton Chemicals  
75 Ruffell Road  
Hamilton.

Phone: 0800 Chemicals (0800-243-642)

Email: sales@hamchem.co.nz

Website: www.hamchem.co.nz