FT Hypo-Kleen

Ordering Information

Code:	FT-HK-1000
Unit Pack Size:	Sodium Hypochlorite Solution 1000L
Pack Weight (kg)	1260
Pack Volume (m^3)	1.32
Packaging:	UN rated IBC containers.

Code:	FT-HK-200
Unit Pack Size:	Sodium Hypochlorite Solution 200L
Pack Weight (kg)	246
Pack Volume (m^3)	0.34
Packaging:	UN rated 200L plastic containers.

Code:	FT-HK-100
Unit Pack Size:	Sodium Hypochlorite Solution 100L
Pack Weight (kg)	126
Pack Volume (m^3)	0.161
Packaging:	UN rated 100L plastic containers.

Code:	FT-HK-20
Unit Pack Size:	Sodium Hypochlorite Solution 20L
Pack Weight (kg)	25.2
Pack Volume (m^3)	0.03
Packaging:	UN rated 20L plastic containers.

Description

Clear, pale yellow, to green liquid with moderate chlorine odour.

Chemistry:	Sodium Hypochlorite Solution (270-330gms/L)
UN No:	1791
DG Class:	8 – Corrosive
HAZCHEM:	2X
CAS No:	7681-52-9

For safety information refer to SDS (Safety Data Sheet)

Ham Chem, 75 Ruffell Rd, Hamilton, New Zealand. Phone: (07)9744971 Email: info@hamchem.nz Web: www.hamchem.nz

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Specification

PARAMETER	SPECIFICATION	TYPICAL
Free Available Chlorine w/v	> 12.5%	15
Sodium Hydroxide	3.0 to 10.0 g/L	8

Approvals

EPA Approval Number: HSR002681

MPI approved as Farm Treat Hypo-Kleen

- Approval as a maintenance compound for the purpose of cleaning, sanitising or maintaining the farm dairy milking plant and/or
- Recognition as a maintenance compound for use in dairy processing activities.

MPI Generic approval for *Sodium Hypochlorite* as a Maintenance Compound (Non-Dairy)

- In solutions for sanitising clean food surfaces, Code C 41 or C 43
- In solutions for treating water supplies, C 61 or;
- As a release agent, Code C 26
  (see the MPI Approved Maintenance Compounds (Non-Dairy) Manual - https://www.mpi.govt.nz/dmsdocument/10721-approved-maintenance-compounds-manual-non-dairy)

Application

Farm Treat Hypo-Kleen can be used for:

- Prevention and correction of grades on dairy farms
- Boosting your alkali detergent's ability to remove protein build-up in milking machines & milk vats
- Cleaning mould, algae and slime from concrete
- As a chlorine source for water treatment and swimming pools.

Directions

Milking Machines: Hypo-Kleen can be added to your alkali detergent to boost its cleaning ability.
1. Add 250ml (1 cup) of Hypo-Kleen for every 100 litres of hot water in addition to your alkali detergent
2. Re-circulate for approximately 10 - 15 minutes, then rinse to ensure any detergent residue is removed.

Note: For the most hygienic wash, use potable hot water at 85°C. As with all detergents, rinse after use and open the plant to allow draining.

Cleaning Concrete: Clean mould, algae and slime from concrete.
1. Dilute Hypo-Kleen by mixing 1 part of Hypo-Kleen per 3 parts of water
2. Spray/pour onto dirty concrete, scrub with a brush or broom if necessary
3. Hose or water-blast off.

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Note: Hypo-Kleen contains chlorine which actively rusts metallic surfaces like iron and stainless steel. Wetting metallic surfaces before spraying Hypo-Kleen will reduce the risk, but care should still be taken.

Water Treatment: Ideal Free Chlorine concentration is between 0.5 – 2.0 mg/L.
Chlorine is the most common chemical used for water disinfection. Chlorine combines with and disinfects contaminants in the water such as micro-organisms, small animals, plant material, other dissolved chemicals (such as iron and manganese), plus colours and odours. The components that combine with and use up the chlorine are known as the chlorine demand. It is important to add sufficient chlorine to water to meet the chlorine demand and provide residual disinfection without having excess free chlorine.

Free Chlorine is the chlorine that does not combine with other components in the water. Ideally, free chlorine should be at a concentration of between 0.5 – 2.0 mg/L. The minimum should never fall below 0.2 mg/L, or the maximum go above 5 mg/L free chlorine (Water Services (Drinking Water Standards for New Zealand) Regulations 2022). Monitor the free chlorine on a regular basis and adjust the dosage rate to maintain the free chlorine level within the ideal concentration range.

Adding 350mls of Farm Treat Hypo-Kleen to 10,000 Litres of water gives a total concentration of approx. 5 mg/L chlorine (depending on chlorine demand).

DPD colorimetric test kits are available for testing the level of free chlorine.

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