

What is Chloradet?

CHLORADET is a concentrated, high-foaming cleaner with a bleaching action. Because it offers a very effective method of killing undesirable micro-organisms (germs, bacteria, fungi, etc.), CHLORADET is an excellent sanitiser.

Key Benefits

- ✓ Highly active cleaner, rips dirt off hard surfaces including walls, tiles, baths and showers.
- ✓ Suspends dirt and soil.
- ✓ Kills bacteria, mould and fungi.
- ✓ Biodegradable.
- ✓ Breaks down fats into water-soluble by-products.
- ✓ Concentrated – dilutes up to 1 in 160.

How Does It Work?

CHLORADET contains available chlorine which is present in solution in the form of sodium hypochlorite and hypochlorous acid. Hypochlorous acid is a powerful germ-killing agent which kills bacteria, yeasts, moulds and many viruses. CHLORADET also contains caustic alkali and detergents to provide an excellent cleaning action. It will remove cooking fats, smoke films, greasy marks, carbon deposits, food spills, mould, fungi and other soilage found in food preparation areas, kitchens and bathrooms. Excellent for removing in-grained dirt from ceramic tiles.

For Use On...

All surfaces not harmed by water and chlorine including walls, ceilings, unpolished tiled floors, baths, showers, glass and porcelain. Effective cleaner for removing mildew, mould and fatty or soapy build-ups from tiles, grouting, baths, basins and shower recesses.

Do not use for cleaning aluminium or alkali-sensitive polished floors.

Caution

NEVER MIX CHLORADET WITH ANY OTHER CHEMICALS, especially acids, as this may produce toxic chlorine gas or other poisons.

Avoid splashing CHLORADET on clothing as it will burn holes in cotton and other fabrics.

CHLORADET is corrosive to the skin – wear protective gloves, clothing and safety glasses as shown in the SDS.

Technical Data

Composition

CHLORADET is a premium blend of grease-cutting anionic surfactants, foaming agents, caustic alkali, builders and buffers together with sodium hypochlorite which attacks and bleaches all types of soilage.

Properties



COLOUR – Pale, yellow-green thick liquid
ODOUR – Chlorine odour (See note below)
AVAILABLE CHLORINE LEVEL = 5 %
pH = 12.8 ± 0.5
FOAM – High foam level with good foam stability.
Excellent for foam cleaning because product is thickened and clings to vertical surfaces.

Note: The strength of the chlorine odour varies widely and is not a reliable indicator of the chlorine concentration in the product. The strength of the odour depends on:

- Temperature
- The volume of headspace in the drum or bottle.
- How long it has been since the drum was last opened.

The best method to check the chlorine strength is to use Chemical Indicator Paper for available chlorine.

Dangerous Goods Classification

CHLORADET is a Class 8 corrosive liquid.

U.N. No: 1719	CLASS: 8
PACK GRP: II	HAZCHEM: 2R

Environmental Care



CHLORADET conforms with all statutory environmental requirements. It is based on safe ingredients selected to perform efficiently so there is no waste or damage. CHLORADET is non-flammable, phosphate-free and biodegradable. CHLORADET containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd., significantly reducing plastic usage and waste. They can also be recycled.

Quality

The design, manufacture and supply of all Agar chemical products is controlled by the Agar Quality Management System which is registered and externally audited by SAI Global as complying with the requirements of AS/NZS ISO 9001 "Quality Management Systems – Requirements".

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Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all of its products. These sheets contain information that you may need to protect your employees and customers against health or safety hazards associated with our product. Agar Cleaning Systems recommends that you obtain a copy of the respective SDS sheet prior to using this product. The information in the Product Data Sheet is based on data we believe to be reliable. It is offered in good faith, but without guarantee, as conditions and methods of use of our product are beyond our control.



The Chemistry of Cleaning™

CHLORADET

Hospital Grade Disinfectant/Heavy Duty Detergent

Product Data Sheet

Product Code: CH

Issued: March 1, 2017

First Certified: 30 April 1996
SAI Certificate No.: QEC7358

Approval

CHLORADET has been approved for use as a Category 7 Sanitiser/Detergent for use in establishments registered under the Export Control Act 1982 by the Australian Quarantine and Inspection Service, Department of Primary Industries and Energy. Instrument of Approval No. 8953
CHLORADET is listed on the Australian Register of Therapeutic Goods (ARTG) as a Hospital Grade Disinfectant AUST L 166219.

Application

In General:

- For cleaning floors, walls, baths, showers etc.
Light soilage - use 1 part CHLORADET in 160 parts water (6mls per litre).
Regular cleaning – 1 in 50 (20mls per litre)
Medium soil - 1 in 20 (50mls per litre)
Heavy soil - 1 in 10 (100mls per litre)
- To remove oil or grease spots, scuff marks and hard to shift spills - use neat CHLORADET from the bottle.
- Hospital Grade Disinfectant:
Dilute 1 part CHLORADET to 12 parts with water.
Excellent for hard surfaces. Not for use on therapeutic devices.

How to sanitise with CHLORADET:

Soak items in water that contains CHLORADET. Select the required chlorine concentration from this table:

Sanitising work surfaces:	100 – 200 ppm - rinse after sanitising.
Immersion of utensils and equipment:	50 ppm – rinse after sanitising and drain well.

Make up a solution with the required concentration using the Dilution Chart below.

Please note that weaker solutions require warmer water to maintain the effectiveness of the sanitising action of CHLORADET.

➤ Bathroom sanitising:

If surfaces are badly soiled, clean dirt away with CHLORADET diluted to 1 in 10 with water. Apply to surfaces and leave to activate for 30 seconds. Rinse down with clean water.

➤ Toilets:

Add 60mls (1/4 cup) of neat CHLORADET to the bowl. Brush all surfaces. Leave to work for 5 minutes then flush.

➤ Mould removal:

1. Make up a 1 in 20 solution of CHLORADET. (This is 50mls of CHLORADET per Litre of water).
2. Wash the surface with this solution.
3. If surface is rough, scrub the solution in with a nylon brush; try to reach into all crevices.
4. Rinse surface with clean water.
5. Dry it off or leave it out to dry.

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Dilution Chart

Dilution Rate	1 in 2000	1 in 1000	1 in 500	1 in 250	1 in 160	1 in 50	1 in 20	1 in 10
Concentration of chlorine (ppm) produced	25 ppm	50 ppm	100 ppm	200 ppm	312 ppm	1000 ppm	2500 ppm	5000 ppm
Add water up to:	Amount of CHLORADET to add =							
750ml	0.4 mL	0.75 mL	1.5 mL	3 mL	4.7 ml	15 ml	38 ml	75 ml
1 litre	0.5 mL	1 mL	2 mL	4 mL	6.3 ml	20 ml	50 ml	100 mL
10 litres	5 mL	10 mL	20 mL	40 mL	63 mL	200 mL	500 mL	1L
Minimum water temperature	49°C	38°C	13°C	13°C	13°C	-	-	-

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➤ **Cleaning in Healthcare Facilities:**

The following principles are recommended to help prevent cross-contamination.

- Store CHLORADET separately from skin antiseptics and patient supplies.
- Perform hand hygiene before and after cleaning each patient station.
- Use gloves when using CHLORADET solutions.
- Use one set of cleaning cloths or disposable wipes for each patient station.
- Clean all frequently-touched or 'high touch' surfaces in the 'patient zone' between patient treatments.
- Clean the top of an object FIRST and work down. This will avoid re-soiling surfaces that have already been cleaned.
- Fold the cleaning cloth into a number of squares to provide a greater number of potential cleaning surfaces.
- Replace cloth as needed. More than one cloth may be required for a patient station.
- Never use the same cleaning cloth for more than one patient unit.
- Never re-dip a used cloth into clean disinfectant solution.

Tips for effective and safe use of CHLORADET:

1. If making up solutions of Chloradet in a small room, use cold water and try to provide some ventilation.
2. Allow the CHLORADET solution to be in contact with the surface for at least one minute and up to five minutes to achieve a thorough kill. The stronger the solution, the less time is required.
3. Chlorine loses its effectiveness quickly in the presence of oil, dirt and organic material. Change the solution as soon as it looks dirty. CHLORADET solutions are corrosive to iron and steel and soft metals. They should not be used on surfaces that can rust.
4. Consult the CHLORADET Safety Data Sheet for information on safety and First Aid in the event of an accident.

Shelf Life of CHLORADET:

CHLORADET contains sodium hypochlorite, which is highly reactive and tends to fade in strength as time passes. When packed, CHLORADET contains 5.5% available chlorine. After 9 months when stored at 25°C, this declines to 2.5% available chlorine. For this reason, please note:

1. Store CHLORADET below 25°C whenever possible. Higher temperatures will accelerate the decline in available chlorine.
2. The shelf life of CHLORADET is 9 months from Date of Manufacture, as indicated on the label.
3. Always use your oldest stock first and practise stock rotation. Fresh product is best.

Trouble-shooting Guide:

Problem:	Solution:
Surface still has fat and meat present after cleaning.	<ol style="list-style-type: none"> 1. Improper cleaning procedure. The procedures must be suitable for each piece of equipment. 2. Chloradet solution strength is too low. 3. Improper rinsing can leave deposits of soil on surfaces.
Protein soil has coagulated.	Water is too hot (over 60°C).
Fat is difficult to remove	Water is too cool (less than 50°C).
Surface has high bacteria counts	<ol style="list-style-type: none"> 1. Unhygienic equipment has been used, such as a cleaning cloth that has become contaminated. 2. Contact time for the sanitiser is too short. 3. Sanitiser strength is too low.
Micro-organisms still remain on surface after sanitising.	Residual moisture on surfaces can allow micro-organisms to grow. Prompt drying is important.
Soils are difficult to remove and are accumulating.	Intervals between cleaning are too long. Clean and sanitise more frequently.

Available in: 5L & 20L

Accessories:

Hydrion Micro Chlorine 10-200ppm Paper Test Strip (roll) - Code CM240. For testing chlorine concentration.

Dispenser bottles available:

750ml Chloradet Squirt Bottle - Code D7C

28mm Disc Top Cap to suit - Code RIC

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