CHLORADET

Hospital Grade Disinfectant/ Heavy Duty Detergent

Product Data Sheet | Product Code: CH | Issued: July 2, 2025

What is Chloradet?

CHLORADET is a concentrated, high-foaming cleaner with a bleach action. It offers a very effective method of killing undesirable microorganisms (germs, bacteria, 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/germs
- ✓ Removes mould
- ✓ 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/germs. 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, 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 alkali-sensitive polished floors.

Caution

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

Pre-test the CHLORADET solution on aluminium surfaces to ensure they are not affected. Normally it will be ok. 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)**
pH = 12.0 – 14.0
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 a Chemical Indicator Test Paper for available chlorine.*

Dangerous Goods Classification

CHLORADET is a Class 8 corrosive liquid.

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

Colour Coding

Product identification is made easy with the Agar Colour Coding system. We have 11 different categories of product that are identified by colour and number. The product itself has this colour. Also, the colour and number are shown:

1. On the bottle label as supplied.
2. On the matching Dispenser Spray Bottle.
3. On the product chart for Colour Coded Cleaning

This system has benefits of reducing the chance of using the wrong product, making compliance and staff training easy, showing that the correct products are being used and providing information about usage, dilution and first aid.

Product	Code Colour	Code Number	Type
CHLORADET	White	11	Chlorinated Cleaners & Sanitisers

Australian Made Australian Owned

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12-14 Cope Street
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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 can 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".
First Certified: 3 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
Microbiological Testing: CHLORADET has passed the AOAC Hard Surfaces Carrier Test 6.202, 03 and 05 at a dilution of 1:12 in standard hard water against Salmonella Choleraesuis, Pseudomonas aeruginosa and Staphylococcus aureus. It also has pass the TGA Test for Hospital Grade Disinfectants (Option 2) at a dilution of 1:12 against Pseudomonas aeruginosa, Escherichia coli, Proteus vulgaris and Staphylococcus aureus.

Application

General Cleaning

- For cleaning floors, walls, baths, showers, etc.
  - Light Soilage – 1 in 160 (6mls per L)
  - Regular Cleaning – 1 in 50 (20ml per L)
  - Medium Soilage – 1 in 20 (50ml per L)
  - Heavy Soilage – 1 in 10 (100ml per L)
- To remove oil or grease spots, scuff marks hard to shift spills – use neat CHLORADET from the bottle.

Hospital Grade Disinfectant

- Dilute to 1 in 12 parts water. Excellent for hard surfaces. Not for use on medical devices or other therapeutic goods.

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.

How to Sanitise with CHLORADET

Make up a solution with the required concentration using the Dilution Chart at end of PDS.

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

Mould Removal:

1. Dilute to 1 in 20 (50ml per L).
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.

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 several 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.

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Cleaning up Blood Spills:

Blood may contain dangerous viruses.

1. Wear the correct personal protective equipment. For a small blood spill this is:
   - Rubber gloves
   - Safety glasses
   - Plastic apron
2. Absorb the blood with paper towelling and dump the towelling into a garbage bag which should then be tied up shut. Do not make aerosol drop of the blood. Do not touch the blood with bare skin. Do not splash the blood.
3. Make up a 1 in 3 solution of CHLORADET in water. This is 100ml plus 200ml water to make a total of 300ml solution.
4. Clean the area with the CHLORADET solution.
5. Once the area is clean, apply fresh CHLORADET solution to the contaminated area and leave to kill germs for 10 minutes.
6. Wipe up the CHLORADET and dry the area.
7. Dispose of the CHLORADET solution down the sink with plenty of running water to dilute it well.
8. Clean all equipment well with detergent and water.
9. Wash hands thoroughly.

Tips for effective and safe use of CHLORADET:

- If making up solutions of CHLORADET in a small room, use cold water and try to provide some ventilation.
- 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.
- 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.
- 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:

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

Trouble-shooting Guide for cleaning and sanitising food processing facilities:

Problem:	Solution:
Surface still has fat and meat present after cleaning.	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.	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. CHLORADET solution strength is too low.
Micro-organisms 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.

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Disposal Information

1. Used solutions -

Used Solutions of CHLORADET should be poured into a drain or trough that leads to the sewer system or a septic tank. These systems have a method for treating and breaking down the waste. Used solutions of detergent should not be poured into stormwater drains or down driveways as these drains are designed for rainwater and ultimately lead to the local river system.

2. Unused product

It is best to keep the product and use it up! If this is not possible, try to give it to someone who can use it. (Make sure the product is in its original, labelled container).
If there is no alternative but disposal, it is safe to pour modest quantities of this product down the drain (to sewer) with running water. Leave the cold tap running for a few moments afterwards as this dilutes the product and reduces the concentration in the wastewater.

Remember, do not mix different cleaning products together during disposal!

3. Empty packaging

Bottles and drums

Our 5L and 20L bottles and drums are made from HDPE (polyethylene) or PET which can be recycled. You can dispose of these containers via the kerbside collection program or other recycling system. CHLORADET containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd, significantly reducing plastic usage and waste.

Cardboard cartons

Used boxes should be flattened and recycled in OCC (old, corrugated cardboard) or mixed wastepaper recycling programs.

Available in: 5L, 20L

Dispensing Accessories:

Hydrion Micro Chlorine 10-200ppm Paper Test Strip (roll)
CM240 – Code MID240

For testing chlorine concentration.
Chlorine Test Strips, 0-1000ppm, pkt of 100 – Code MID256

750ml Chloradet Squirt Bottle – Code D7C
Disc Top Cap – Code R1C

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	0.4ml	0.75ml	1.5ml	3ml	4.7ml	15ml	38ml	75ml
1 Litre	0.5ml	1ml	2ml	4ml	6.3ml	20ml	50ml	100ml
10 Litres	5ml	10ml	20ml	40ml	63ml	200ml	500ml	1L

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