

## What is Bleach?

BLEACH is a solution of sodium hypochlorite in water with an available chlorine content of 5% when packed. Because it offers a very effective method of killing undesirable micro-organisms (germs, bacteria, etc.), BLEACH is an excellent sanitiser. BLEACH also destroys stains, so it is useful in the laundry as a whitening agent.

### Key Benefits

- ✓ BLEACH is a very effective germ-killer.
- ✓ An excellent sanitiser for food-preparation facilities.
- ✓ Very economical.
- ✓ Approved by AQIS for sanitising food processing equipment.

## How Does It Work?

BLEACH 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.

### Cautions

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

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

### For Use On...

BLEACH is an effective cleaner for removing mildew, mould and fatty or soapy build-ups from tiles, grouting, baths, basins and shower recesses. It is excellent for sanitising food-preparation work surfaces, utensils and equipment. When used at the correct dilution, BLEACH can be used for sanitising fruit and vegetables.

## Technical Data

### Composition

BLEACH contains sodium hypochlorite in solution with sodium chloride which acts as a stabiliser. Chlorine is decomposed by heat and sunlight so BLEACH should be stored in a cool place away from direct sunlight.

## Properties



COLOUR – Pale, yellow-green liquid

ODOUR – Chlorine odour

pH = 12-13.8

FOAM – Non-Foaming

AVAILABLE CHLORINE LEVEL = 5 % when packed

## Environmental Care



BLEACH conforms with all statutory environmental requirements. It is based on safe ingredients selected to perform efficiently so there is no waste or damage. BLEACH is non-flammable and biodegradable. BLEACH 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".

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

## 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
BLEACH	White	11	Chlorinated Cleaners & Sanitisers

BLEACH is a Colour Code 11 (white) product.

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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.

**Product Data Sheet**

Product Code: BL

Issued: August 8, 2024

## Application

### Food Industry: proper cleaning has six steps:

1. **Pre-clean:** scrape, wipe or sweep away food scraps and rinse with water.
2. **Wash:** remove grease and dirt by washing in LIFT solution. Soak if required.
3. **Rinse:** rinse away all dirt and detergent.
4. **Sanitise:** to kill germs (see below)
5. **Final Rinse:** if needed to remove the sanitiser.
6. **Dry:** allow to drain and drip-dry.

### How to sanitise with Bleach:

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

Washing fruit & vegetables:	100 ppm - soak for 5 minutes. No rinse is required, but drain well. Please see separate Product Data Sheet "Bleach for sanitising fresh produce."
Sanitising work surfaces:	100 – 200 ppm - rinse after sanitising.
Immersion of utensils and equipment:	50 ppm - drain after use. No rinse required.

Make up a solution with the required concentration using the Dilution Chart below. (The water temperature should be varied according to the amount of BLEACH used, as shown.)

#### Dilution chart:

Amount of water (Litres)	Amount of BLEACH to add			
1 litre	0.5 mL	1 mL	2 mL	4 mL
5 litres	2.5 mL	5 mL	10 mL	20 mL
10 litres	5 mL	10 mL	20 mL	40 mL
Concentration of chlorine (ppm) produced	<b>25 ppm</b>	<b>50 ppm</b>	<b>100 ppm</b>	<b>200 ppm</b>
Minimum water temperature	49°C	38°C	13°C	13°C

### Bathroom sanitising:

If surfaces are badly soiled, clean dirt away with a detergent such as FRESCO or SUPERFORCE. Dilute BLEACH 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 BLEACH 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 BLEACH. (This is 50mls of BLEACH 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.

### Blood Spills:

1. Blood may contain dangerous viruses.
2. Wear the correct personal protective equipment. For a small blood spill this is:
  - a. rubber gloves
  - b. safety glasses
  - c. plastic apron
3. 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 drops of the blood. Do not touch the blood with bare skin. Do not splash the blood.
4. Clean the area with warm water and detergent (such as HC-90, LIFT, or PRESTO, etc.).
5. Make up a 1 in 3 solution of BLEACH in water. This is 100mls plus 200mls water to make 300mls.
6. Apply this solution to the contaminated area and leave to kill germs for 10 minutes.
7. Wipe up the BLEACH and dry the area.
8. Dispose of the BLEACH solution down the sink with plenty of running water to dilute it well.
9. Clean all equipment well with detergent and water.
10. Wash hands thoroughly.

### Safety Directions

1. Use cold or lukewarm water for making BLEACH solutions. Please avoid hot water which will make the chlorine break down more quickly.
2. Do not use higher concentrations than 200 ppm in food-preparation areas.

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3. Allow the BLEACH 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.
4. Chlorine loses its effectiveness quickly in the presence of oil, dirt and organic material. Change the solution as soon as it looks dirty. Remove the bulk of the soil with a detergent wash before sanitising.
5. Chlorine Test Strips can be purchased from Agar Cleaning Systems. A paper test strip is dipped into the solution and its colour is used to identify the chlorine concentration (10, 50, 100 or 200ppm).
6. Bleach solutions are corrosive to iron and steel and soft metals. They should not be used on surfaces that can rust.
7. Consult the BLEACH Material Safety Data Sheet for information on safety and First Aid in the event of an accident.

#### Storage:

BLEACH is stable for 12 months. Store in the original sealed container and keep out of direct sunlight. Also avoid storing the product in extremes of temperature; try to keep it between 10 and 30 °C. Rotate stock and observe the Use By date.

Available in: 5L, 20L

#### Dispensing Accessories:

750ml squirt bottle for Bleach - Code D7BL

28mm disc top cap - Code R1C

5L tap in cap - Code: DTC5

20L tap in cap - Code DTC20

Chlorine Test Strips, 0-1000ppm, pkt of 100 – Code MID256

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