

What is Sodium Hypochlorite?

SODIUM HYPOCHLORITE is a solution hypochlorite in water with an available chlorine content of 12.5% when packed. It offers a very effective method of killing undesirable microorganisms (germs, bacteria, etc.), SODIUM HYPOCHLORITE is an excellent sanitiser. Also destroys stains, so it is useful in the laundry as a whitening agent.

Key Benefits

- ✓ 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?

SODIUM HYPOCHLORITE 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.

Caution

NEVER MIX SODIUM HYPOCHLORITE WITH ANY OTHER CHEMICALS, especially acids, as this may produce toxic chlorine gas or other poisons. Never mix with flammable liquids. Avoid splashing SODIUM HYPOCHLORITE on clothing as it will burn holes in cotton and other fabrics.

For Use On...

Effective cleaner for removing mildew, mould and fatty or soapy build-ups from tiles, grouting, baths, basins and shower recesses. Excellent for sanitising food-preparation work surfaces, utensils and equipment. Used at the correct dilution, SODIUM HYPOCHLORITE can be used for sanitising fruit and vegetables.

Technical Data

Composition

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

Properties



COLOUR – Pale, yellow-green liquid
ODOUR – Chlorine odour
AVAILABLE CHLORINE LEVEL = 12.5%
pH = 12 – 13
FOAM – Non-foaming

Environmental Care

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

Application

Bathroom Sanitising:

If surfaces are badly soiled, clean dirt away with a detergent such as FRESCO or SUPERFORCE. Dilute SODIUM HYPOCHLORITE to 1 in 20 with water. Apply to surfaces and leave to activate for 30 seconds. Rinse down with clean water.

Toilets:

Add 30ml (1/8 cup) of SODIUM HYPOCHLORITE to the bowl. Brush all surfaces. Leave to work for 5 minutes then flush.

Blood Spills:

1. Wear the correct personal protective equipment. For a small blood spill this is:
 - a) Rubber gloves
 - b) Safety glasses
 - c) 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 drops of the blood. Do not touch the blood with bare skin.
3. Clean the area with warm water and detergent (HC-90, LIFT, PRESTO, etc.).
4. Make up a 1 in 6 solution with water.
5. Apply this solution to the contaminated area and leave to kill germs for 10 minutes.
6. Wipe up the SODIUM HYPOCHLORITE and dry the area.
7. Dispose of the SODIUM HYPOCHLORITE 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.

Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all 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: SOD

Issued: June 19, 2025

Food Industry – Proper cleaning has six steps:

- Pre-clean:** Scrape, wipe, or sweep away food scraps and rinse with water.
- Wash:** Remove grease and dirt by washing in LIFT solution. Soak if required.
- Rinse:** Rinse away all dirt and detergent.
- Sanitise:** To kill germs (see below).
- Final Rinse:** If needed to remove the sanitiser.
- Dry:** Allow to drain and drip-dry.

How to sanitise with SODIUM HYPOCHLORITE:

Soak items in water that contains SODIUM HYPOCHLORITE.

Select the required chlorine concentration from this table:

Washing fruit & vegetables:	50ppm – soak for 5 min no rinse required but drain well.
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 SODIUM HYPOCHLORITE used, as shown.)

Amount of water (Litres)	Amount of SODIUM HYPOCHLORITE to add			
1 Litre	0.25ml	0.5ml	1 ml	2ml
5 Litres	1.25ml	2.5ml	5ml	10ml
10 Litres	2.5ml	5ml	10ml	20ml
Concentration of chlorine (ppm) produced	25 ppm	50 ppm	100 ppm	200 ppm
Minimum water temperature	49°C	38°C	13°C	13°C

Mould Removal:

- Make up a 1 in 40 solution of SODIUM HYPOCHLORITE.
- Wash the surface with this solution.
- If surface is rough, scrub the solution in with a nylon brush; try to reach into all crevices.
- Rinse surface with clean water.
- Dry it off or leave it out to dry.

Tips for effective and safe use of SODIUM HYPOCHLORITE:

- Use cold water for making SODIUM HYPOCHLORITE solutions. This is because hot water will make the chlorine break down more quickly.
- Do not use higher concentrations than 200ppm in food-preparation areas.
- Allow the SODIUM HYPOCHLORITE 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. Remove the bulk of the soil with detergent wash before sanitising.
- SODIUM HYPOCHLORITE solutions are corrosive to iron and steel and soft metals. They should not be used on surfaces that can rust.
- Consult the SODIUM HYPOCHLORITE Safety Data Sheet for information on safety and First Aid in the event of an accident.

Storage

SODIUM HYPOCHLORITE 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-degrees C.

Solutions of SODIUM HYPOCHLORITE should be used up within 6 – 8 hours of dilution. After this time, they may begin to lose their effectiveness.

Disposal Information

1. Used solutions -

Used Solutions of SODIUM HYPOCHLORITE 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.

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

Available in: 5L, 20L

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. SODIUM HYPOCHLORITE 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.

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