

# Chemsan

An acid cleaner for Brewing and Surface Sanitising.

A blend of phosphoric and benzenesulfonic acid and isopropanol.

An excellent sanitizer for manual application.

Not recommended on soft metals because of the acid nature of this product.

| PRODUCT SPECIFICATION    |                     |
|--------------------------|---------------------|
| Name:                    | Chemsan             |
| Product Code:            | C-CHEMSAN1L         |
| Product Size             | 1 litre             |
| Packing Quantity         | 10 x 1 litres       |
| Packing Size (L x H x D) | 40cm x 34cm x 23cm  |
| Shipping Weight          | 13kg                |
| Shipping Volume          | 0.031m <sup>3</sup> |

This product is available in other sizes

## How to use

**Dilution:** 0.2%, 10ml to 5 litres of water. Higher concentrations will require a potable rinse.

All surfaces should be cleaned and rinsed beforehand. Minimum contact time 2 minutes.

The solution should remain at a pH at 3.5 or below to maintain proper sanitizing level.

If using the diluted solution over time, check the pH regularly using pH papers.

Chemsan will go cloudy if it has been diluted with hard water. This is normal and provided the pH of the solution is 3.5 or less the diluted Chemsan will still be effective.

**Hand Utensils, Tanks, Vats, Homebrew use:** Scrape or pre-clean dirty surfaces.

Clean all surfaces using a suitable detergent, following label directions. Rinse with potable water. Apply diluted solution on surfaces with a cloth, mop, brush, sponge, spray or by immersion. After 2 minutes contact time, drain solution thoroughly.

For all applications, allow to air dry, however surfaces must remain wet for at least two minutes. Do not rinse after Chemsan application.

## Chemsan - UN 3266

**Danger – Contains Phosphoric Acid.**

Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection.

**Precautions – Harmful if swallowed. Corrosive to skin and eyes. Do not get in eyes, on skin or on clothing. Wear protective goggles and clothing when using. Avoid contamination of food.**

**DO NOT MIX CHEMSAN WITH CHLORINATED CLEANERS AS CHLORINE GAS WILL RESULT.** Do not use or store near heat or open flame. See label for more precautionary information.

**If in eyes:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes. Then continue rinsing. Get immediate medical attention/advice.

**If swallowed:** Get immediate medical attention/advice. Have person sip on a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control doctor. Do not give anything to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention/advice if needed.

**If inhaled:** Move person to fresh air. If person is not breathing call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Get immediate medical attention/advice.



Scan for Safety Data



- ▶ No rinse required when used at the recommended dilution.
- ▶ Not affected by organic materials.
- ▶ A self-foaming sanitising solution.



Wear eye protection



Wear hand protection



Use dosing cap for recommended dilution

# Chemsan

## What is Chemsan?

Chemsan is an acid based product for sanitising brewing equipment and general surface sanitising.

## What is it the dilution rate?

Chemsan should be diluted at 0.2% or 10ml to 5 litres of water. Higher concentrations will require a potable rinse.

## What is it the minimum contact time?

The minimum contact time to be effective is 2 minutes. After this leave to drain. No need to rinse

## Once the solution has been made up can I continue to use over several days?

Yes you can but before use check that the pH of the solution is 3.5 or below. If it is higher than this then make up a fresh dilution

## How long does diluted Chemsan last for once is has been made up?

Chemsan will remain effective for many days once made up provided the pH of the solution remain at 3.5 or less.

## The diluted Chemsan is cloudy, is this a problem?

No it is perfectly fine. Chemsan will go cloudy if it has been diluted with hard water. This is because the calcium and magnesium carbonates in the water react with the Chemsan and produce a cloudy precipitation. Provided the pH of the solution is 3.5 or less the diluted Chemsan will still be effective.

## My Chemsan foams up, is this right?

Yes it is! Chemsan does foam which helps it cling and sanitise surfaces.

## Do I need to rinse Chemsan?

No, when diluted correctly Chemsan does not require rinsing

## But if I don't rinse won't Chemsan taint my beer/wine?

No, Chemsan is diluted at 0.2% so once a vessel has been left to drain any remaining film will be negligible and will not taint or affect any product being put into the container.

## How long does a surface remain sanitised for/How long will the inside of bottles stay sanitised for?

It is always best to sanitise shortly before use but providing the bottles don't come into contact with any potential contaminants they would be remain sanitised for a few hours. We cannot be more specific as it will depend on the environment and airborne contaminants.

## What is the best temperature for Chemsan?

Chemsan is typically used at ambient temperature but can be used from ambient up to 88°C. Higher temperatures may reduce the required contact/soak time.



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We recommend Chemclean to thoroughly clean all equipment before sanitising

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