MURPHY & SON

Quality, Consistency & Support

TOUGH ENZYMATIC CLEANER

SCRUB A DUCK

LOW TEMP, LOW FUSS, BYE BYE BIOFILMS!

Scrub A Duck is a non-foaming enzymatic detergent for CIP (cleaning in place) of brewery plant and equipment. It rapidly breaks down the organic soiling, and removes and prevents bacterial biofilms in minutes.

WATCH OUT!

Lactobacillus brevis is the most significant beer spoilage bacteria worldwide! And it is protected in a biofilm.

EASILY SHIPPABLE

Enzyme detergents are not classified as a class 8 transport hazard, so we can get it to you in no time!

DOES NOT CORRODE

It does little to no damage to surface materials and is not affected by CO_2 in vessels.

LOW CARBON FOOTPRINT

Supports wastewater treatment plant functionality and is easily biodegradable

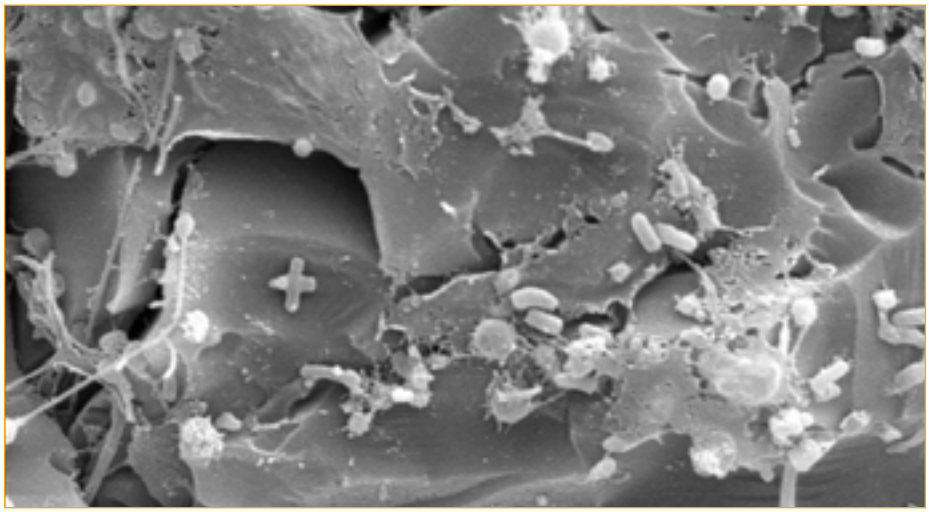
DID YOU KNOW ?

Over 95% of beer spoilage organisms including Lactobacillus brevis will be found in a biofilm. Conventional caustic detergents will NOT remove biofilms. Scrub A Duck dissolves dangerous biofilms in just a few minutes. Then use Biotector to validate the biofilm is completely gone and you have the all-clear to start brewing again.

REMINDER

Do not use this as a replacement for caustic cleaner, it works WITH it to remove all unwanted bacteria.

Once inspected with a bioluminescent pen, and your vessel measures below 50 parts per million, you have the all-clear to start brewing again!



BENEFITS

- Acts at a neutral pH
- Improves cleaning efficiency
- Easily biodegradable
- Helps prevent beerstone and limescale

APPLICATION

HOW MUCH TO ADD

1% to 3% for Fermenting Vessels
1% to 2% for Conditioning Tanks
1% for Bright Beer Tanks

WHEN TO USE

Ideal for cleaning your brewery plant equipment after the brewing process - can be used at low temperatures!

PACKAGE SIZE

20L Jerry can

STORAGE

TEMPERATURE

Store at between 5-25°C

LOCATION

Cool, sealed, and away from sunlight.

SHELF LIFE

At the recommended storage temperature, 18 months from the date of manufacture. Once opened, use within six months.

HOW TO USE

1. Prepare a Scrub A Duck solution at 1% to 3% with water at ambient temperature (20°C - 50°C Optimum).

2. Allow the solution to circulate through the CIP unit for 15 to 60 minutes depending on the degree of soiling.

3. Rinse thoroughly with water.

4. Continue with a disinfection phase preferably with a peracetic acid solution.

5. Finally, rinse thoroughly with water if necessary.

TOP TIP

Start with a 3% v/v solution and 50°C- 55°C degrees and circulate for 60 minutes. Then gradually reduce these parameters to give the highest standard of brewery hygiene at the lowest possible cost!

TESTIMONIAL:

"As a business, we are always looking to continually improve our processes. After some work with Campden BRI, we were led to introduce enzymatic cleaners as part of our CIP process. We went from conventional chemicals to enzyme technology with Scrub A Duck. Since the change our CIP process and micro-testing results has shown great improvement!"

Technical Manager
UK leading bottled water manufacturer

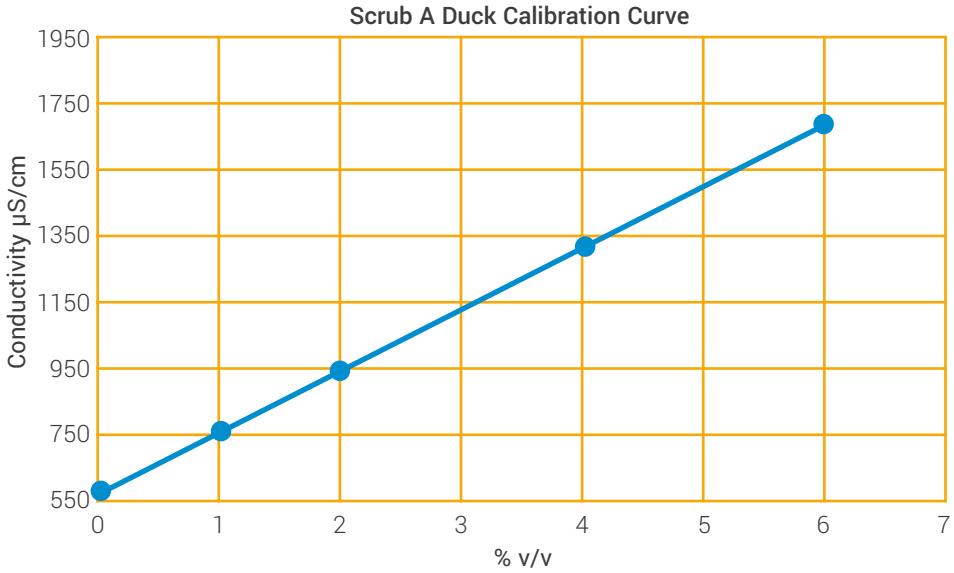


Figure 1: The strength of Scrub A Duck solutions may be checked by taking a conductivity reading. A HANNA HI 9033 conductivity meter is recommended.

What makes biofilms so dangerous is that they provide protection against conventional chemical cleaning and disinfection potentially leading to beer spoilage.

Scrub A Duck eliminates biofilms during CIP in minutes and with regular use prevents their re-appearance.

For all of our new enzyme customers we would provide a calibration curve and train operatives how to check the detergent conductivity value.

WANT TO KNOW MORE? GET IN TOUCH

If you would like to know more about what we do, visit **murphyandson.co.uk** or to speak to our technical support team, call **0115 978 5494** or email **techsupport@murphyandson.co.uk**

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