

**mss**  
A C O R N

# Chemicals





# production

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# Introduction

Acorn Chemical Services Ltd is part of the MSS Group of companies. Acorn designs, manufactures and supplies; cleaning, sanitisation and water treatment chemicals.

We employ both Chemists and Water Treatment Specialists who understand chemical compounds, and the control of bacteria and viruses. This enables us to take a consultative and hands on approach, so that we can review your specific requirement and place the most effective product with you.

## Our Commitment to you

- We will only offer you products which are safe for their intended and foreseeable use
- Your account manager will seek to understand the best solution for your needs
- Our products are quality assured & compliant with all legislation & guidance
- Our products will be appropriately packaged and correctly labelled
- We will aim to maintain consistent pricing
- We will consider the environment in the development of all products





# Verisitol

# Versitol

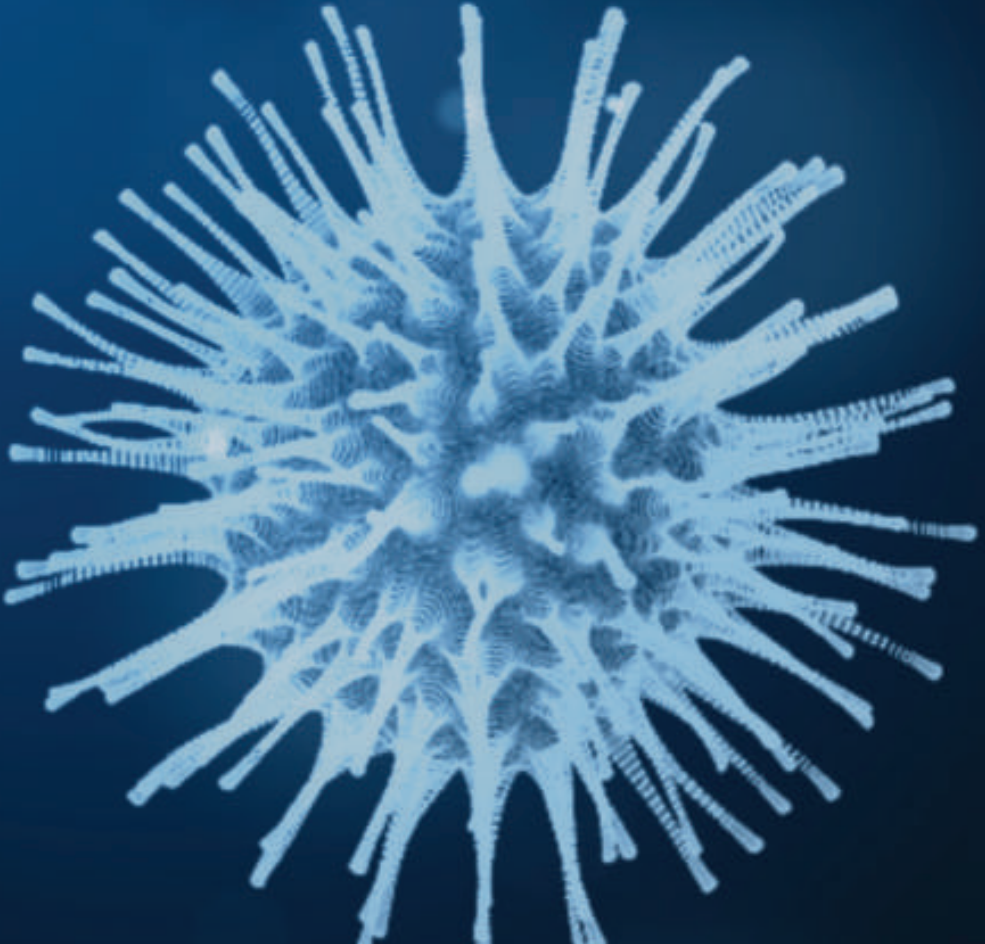
## Degreaser

Versitol is our flagship product; a powerful water soluble, biodegradable degreasing compound which contains no petroleum solvents and has a very low hazard profile. This means that it is safer for use and for the environment than competitor products. This product does not generate fumes, those using it can do so without the need for respiratory protective equipment (RPE).

Versitol uses highly efficient biodegradable emulsifiers to remove heavy oils, dirt and grease. It is a very effective product used and favoured by the steel industry, automotive engineers, blue light and public sector organisations. It is used on rollers, bearings and moving parts and as an agent to keep reflective surfaces clear and spot free. This product rinses completely without streaking and leaves no traces of film or solvent residue.

- Safe and environmentally friendly
- Very low hazard profile
- Highly effective
- No streaking or traces of film or residue





# ClearSan

# ClearSan

## 70% Alcohol Hand Sanitiser

ClearSan is an alcohol-based hand sanitiser available in gel or liquid form. It is produced using the World Health Organization formula and will kill a range of bacteria and enveloped viruses and yeast.

ClearSan evaporates quickly leaving no residue. Our product contains added glycerol and emollient to keep hands moisturised.

- ✓ WHO approved formulation
- ✓ Sold in gel or liquid form
- ✓ Kills bacteria & enveloped viruses
- ✓ Kind to the hands





SteriSafe



# SteriSafe

## Surface Sanitiser

SteriSafe is an advanced hand and surface sanitiser developed to protect against bacteria and viruses. The advanced chemistry of our product sets it apart from standard biocides. SteriSafe is non-toxic, non-irritant, non-hazardous and environmentally friendly.

It has a high efficacy whilst binding to surfaces, offering protection against enveloped viruses including SARS and Coronavirus. It has been tested to BS EN 1276, BS EN 13697 and EN14476:2013 + A2:2019.

The product is a ready to use aqueous solution, which is sprayed directly onto surfaces and can be applied using fogging machines. If using for hands, this product should be used to re-fill all standard and foaming dispensers.

- ✓ BS EN certified
- ✓ Non-toxic, non-irritant, non-hazardous
- ✓ Aqueous solution ready for use
- ✓ Competes with all market leading sanitisers





CoolHib

# CoolHib

## Corrosion Inhibitor / Open Systems

Open cooling systems will suffer limitations to their performance due to the characteristics of the makeup of the water. Be it inherently scale forming or corrosive (or both), an analysis of the water characteristics via saturation indices will indicate existing or potential issues. Both scale formation and corrosion can lead to higher running costs, plant failure and will add to microbiological growth, including Legionella.

The CoolHib family have been synergistically blended to offer scale control and corrosion inhibition. Within the family we can offer scale control on waters up to 400ppm as  $\text{CaCO}_3$  and corrosion protection on the softest of waters. Each system is analysed to indicate which product in the range offers the optimal heat transfer characteristics - giving the end user maximum performance from a clean system.

- An inhibitor for open cooling systems
- Bespoke chemical design for your system
- Enables optimal performance and life
- Consultant led dosing and monitoring





# EnviroHib

# EnviroHib

## Corrosion Inhibitor / Closed Systems

All closed-circuit water systems will suffer to varying degrees from metal wastage. For chilled water and hot water/heating circuits this can be catastrophic. If left untreated entire sections may need to be replaced resulting in expensive downtime during repairs. Even slight corrosion can lead to poor heat exchange and increased cost and wear and tear on the plant.

It is imperative to commission systems correctly, and to maintain them to prevent ongoing failures. The EnviroHib family of corrosion inhibitors and biocides offer a long-term protection from all forms of corrosion, including microbial induced corrosion.

Treatment programmes need to be supported by monitoring the effectiveness of the treatment by chemical analysis and by corrosion management programmes. As water treatment specialists, Acorn will provide the chemical and the follow-on service. We provide peace of mind and optimally performing plant with extended life.

- ✓ An inhibitor for closed circuit water systems
- ✓ Bespoke chemical design for your system
- ✓ Enables optimal performance and life
- ✓ Consultant led dosing and monitoring



# Activol



# Activol

## Acid Inhibitor

Activol was developed for TATA Steel (UK) where it is used during strip-metal production. The additive is designed to be used on pickling-lines to prohibit Hydrochloric Acid from attacking a range of metals during breakdowns. It is equally effective in hydrochloric or sulphuric acid and is added at the rate of 0.25 - 0.5% of the weight in sulphuric and 0.1 - 0.25% by volume of the hydrochloric acid volume.

Our product also has applications for acids used in descaling operations, where a base metal requires protection. Activol is a low cost, high quality product effective for use on low, medium and high carbon grades, including mild alloy steels. It provides good fume suppression and is free rinsing.

- ✓ Inhibits HCl during metal pickling
- ✓ Applications for descaling operations
- ✓ Has a very low hazard profile with negligible eco-toxicity
- ✓ Provides good fume suppression & is free-rinsing



The logo for MSS Acorn, featuring the lowercase letters 'mss' in a bold, white, sans-serif font, with the word 'ACORN' in a smaller, white, sans-serif font directly below it. The background is a dark blue with a pattern of light blue hexagons.

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