



ZYCEINE

STERILE SPORICIDE FLUID

CHLORINE RELEASING AGENT (HYPOCHLOROUS ACID)

ITEM NUMBER 9420 200ML PER PACK

ITEM NUMBER 0064 1L PER PACK

EFFECTIVE CLEANROOM SPORICIDES ARE USUALLY AGGRESSIVE CHEMICALS AND WHILST THEY CAN GIVE GOOD MICROBIAL EFFICACY THIS CAN OFTEN LEAD TO CORROSION PROBLEMS AND DAMAGE TO EXPENSIVE EQUIPMENT.

ZYCEINE IS A UNIQUE TWO COMPONENT SPORICIDE THAT WHEN ACTIVATED GIVES GOOD MICROBIAL EFFICACY.

ZYCEINE IS A TOTALLY STABLE PRODUCT UNTIL ACTIVATED.

ZYCEINE HAS A PROVEN FUNGICIDAL EFFICACY OF GREATER THAN A 3-LOG REDUCTION IN 2 MINUTES, AND A YEASTICIDAL EFFICACY GREATER THAN A 4-LOG REDUCTION IN 2 MINUTES.

- FAST ACTING SPORICIDE.
- EFFICACY INDEPENDENTLY VALIDATED.
- WFI QUALITY WATER – HIGH PURITY WATER.
- FULLY TRACEABLE WITH SUPPORTING ANALYSIS.
- GAMMA IRRADIATION FOR STERILITY.
- TWO-YEAR UNOPENED SHELF LIFE.
- 200ML PER PACK - 15 PACKS PER CASE OR 1L PER PACK – 3 PACKS PER CASE



Use Biocides Safely. Always read the label and product information.

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Corrosion Characteristics of Zyceine vs Sodium Hypochlorite

One of the main problems associated with sodium hypochlorite (NaOCl) disinfectants is that they tarnish or corrode many metals because in NaOCl solutions, all of the available chlorine is free. The chlorine within Zyceine however exists at equilibrium:

50% available chlorine/50% bound chlorine

This means that Zyceine is less corrosive than Sodium Hypochlorite as the amount of free chlorine available at any one time is minimised.

The table below summarises the corrosion effect on different metals, when submerged in equivalent concentrations of available chlorine solution for 4 periods of 24 hours:

METAL	WATER (CONTROL)	ZYCEINE @1000 PPM	SODIUM HYPOCHLORITE @1000 PPM
MILD STEEL	***	***	*****
GALVANISED. MILD STEEL	*	*	*****
COPPER	*	*	*****
BRASS	-	***	**
ALUMINIUM	*	*	***
STAINLESS STEEL 316	-	-	-

-No effect *Mild tarnishing **Moderate tarnishing ***Pronounced tarnishing

****Mild corrosion *****Moderate corrosion *****Pronounced corrosion

It is concluded that for most metals, Zyceine causes less tarnishing or corrosion than Sodium Hypochlorite of the same strength (typically used for disinfection).