



# ZYCEINE STERILE SPORICIDE FLUID

CHLORINE RELEASING AGENT (HYPOCHLOROUS ACID)

ITEM NO 9420 (200ML X 15 PER CASE)

ITEM NO 0064 (1L X 3 PER CASE)

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.
- 2 YEAR UNOPENED SHELF LIFE.
- 200ML PER PACK - 15 PACKS PER CASE OR  
1L PER PACK – 3 PACKS PER CASE



## DIRECTION FOR USE:

AGMA ZYCEINE IS A UNIQUE SPORICIDE, MANUFACTURED TO HELP CLEANROOM OPERATORS MEET THE STANDARDS OF ANNEX 1. TO ACTIVATE, ROLL THE POUCH FROM THE BOTTOM TOWARDS THE FRANGIBLE SEAL. AS PRESSURE BUILDS, SQUEEZE GENTLY UNTIL THE MID-POINT SEAL BREAKS. LEAVE TO REST FOR 5 MINUTES TO FULLY ACTIVATE BEFORE USING.

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).