



Klercide™ Active Chlorine

PRODUCT DESCRIPTION



ECOLAB®

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Product Description

3.1 ADVANTAGES

Very effective, including good sporicidal activity

Klercide Active Chlorine has an excellent spectrum of activity, which will control most microbial contamination likely found in a cleanroom environment, including difficult bacterial spores.

Easy to use

The fully adjustable trigger spray allows liquid to be dispensed as either a jet or a spray, which is particularly useful in critical areas. It is also available in a 5 litre capped container or concentrate tablets for a unit dose (Klercide Active Chlorine Unit Dose Concentrate).

Cost effective

All the biocide can be dispensed from the bottle so there is no wastage. Validation of the SDS demonstrates that the contents remain sterile. An in-use shelf life of 6 months is supported with this data, enabling a long in-use shelf life to be applied by the end user.

Environmentally friendly packaging

The packaging does not contain any propellant so does not require any special disposal procedures. The bottle and the outer packaging are recyclable.



3.2 DESCRIPTION

Klercide Active Chlorine is a sterile sodium hypochlorite solution containing a minimum of 0.5% (5000ppm) available chlorine in-use. It is available in a 1 litre trigger spray or 5 litre ready-to-use. It is 0.2 micron filtered, filled and double bagged in a Grade C (ISO Class 7) cleanroom before gamma irradiation.

Its broad spectrum activity includes troublesome bacterial spores. It possesses fast kill rates so it is especially suitable where high level sporicidal activity is required at short contact times. No additional activators are required.

In line with the material compatibility data found in section 11 of this technical profile, Klercide Active Chlorine is suitable for use on most types of hard surfaces in cleanrooms and controlled environments, isolators, LAFs, equipment exteriors and production vessel exteriors.

The trigger spray bottle incorporates the patented SteriShield Delivery System and an adjustable trigger. The unique way in which the SteriShield Delivery System works, as a closed system, ensures that the sterility of the contents is preserved throughout use.

3.3 ACTIVITY

Broad-spectrum activity including:

Sporicidal Activity	<i>B. subtilis</i>
Bactericidal Activity	<i>S. aureus, E. coli, E. hirae, P. aeruginosa</i>
Fungicidal Activity	<i>A. niger, C. albicans</i>
Virucidal Activity	Human Polio, Human Adenovirus C

3.4 INSTRUCTIONS FOR USE

Apply directly onto non-porous surfaces using a cleanroom low particulate wipe or mop to ensure complete coverage. Leave for the required contact time and then wipe dry. Where residues must be totally eliminated, wipe down with alcohol such as Klercide 70/30 IPA or Denatured Ethanol or water of suitable quality.

Klercide Active Chlorine can be used as part of a rotation with other disinfectants. Standard best practice of a disinfect, wipe and rinse routine should always be used and note should be taken of the safety data sheet, insert and product label which gives conditions and chemicals to avoid for each product.

Use biocides safely. Always read the label and product information before use.

3.5 TECHNICAL SPECIFICATIONS

Klercide Active Chlorine			
Product Composition	Klercide Active Chlorine is a sodium hypochlorite solution containing a minimum of 0.5 % available chlorine		
Colour	Colourless to pale yellow		
Odour	Characteristic odour of chlorine		
Clarity	Clear		
Specific Gravity @ 20°C	1.000 - 1.040		
PH @ 20°C	10.0 - 12.0		
Available Chlorine	0.45 - 0.65 % w/v available chlorine		
Production	Klercide Active Chlorine is filtered to 0.2 micron and filled in a Grade C cleanroom under Grade A laminar flow.		
Packaging	The product is cleanroom packed and double bagged. It is available in a 1 litre spray fitted with the SteriShield Delivery System and in a 5 litre capped container		
Sterility	Klercide Active Chlorine is sterilised by gamma irradiation at not less than 25 kGy		
Expiry	2 years from date of manufacture		
Product Codes	Code	Languages on Label	Unit of Sale
	3078930	GB;DE;FR;IT;ES;NL	6 bottles x 1.0 litre spray
	3088670	ASIA PACIFIC	6 bottles x 1.0 litre spray
	3088680	GB;DE;FR;IT;ES;NL	4 bottles x 5.0 litre