

Product use and application recommendations

AREA OF USE	APPLICATION	ALCOHOL DAILY									BIOCIDE DAILY			SPORICIDE ROTATION					CLEANING AND MAINTENANCE								
		Klercide / Klerwipe 70 30 IPA			Klercide / Klerwipe 70 30 Denatured Ethanol			Klercide 70 30 Pharma Ethanol			Klercide / Klerwipe Low Residue Quat	Klercide Low Residue Quat Concentrate	Klercide Low Residue Quat MDC	Klercide Sporidical Low Residue Peroxide	Klercide / Klerwipe Sporidical Low Residue Peroxide	Klercide / Klerwipe Sporidical Enhanced Peroxide	Klercide Sporidical Active Chlorine	Klercide Sporidical Active Chlorine UDC	Klercide / Klerwipe Neutral Detergent	Klercide Neutral Detergent UDC	Klercide WFI Quality Water	Klerwipe Silicone	Klercide 60 40 IPA				
		RTU	RTU	RTU	RTU	RTU	RTU	RTU	RTU	RTU	RTU	Conc.	Conc.	RTU	RTU	RTU	RTU	Conc.	RTU	Conc.	RTU	RTU	RTU				
		WFI, Endotoxin < 0.25 EU/ml and triple bagged	DI and double bagged	DI and double bagged	WFI, Endotoxin < 0.25 EU/ml and triple bagged	DI and double bagged	DI and double bagged	WFI, Endotoxin < 0.25 EU/ml and triple bagged	DI and double bagged	DI and double bagged	WFI and triple bagged	DI and double bagged	DI and single bagged	WFI, Endotoxin < 0.25 EU/ml and triple bagged	DI and double bagged	DI and double bagged	DI and double bagged	DI and double bagged	DI and double bagged	DI and double bagged	WFI, Endotoxin < 0.25 EU/ml and triple/double bagged	DI and double bagged	DI and double bagged	WFI, Endotoxin < 0.25 EU/ml and triple bagged	DI and double bagged	WFI, Endotoxin < 0.25 EU/ml and triple bagged	
A	Large Surfaces	V	V	-	V	V	-	V	-	V	S*	-	V	V	V	V	S*	V	S*	V	-	-	V	S*	V	-	-
	Product Contact Areas	V	-	-	V	-	-	V	-	V	-	-	V	-	-	-	-	V	-	-	-	-	V	-	-	-	-
	Glove Disinfection	V	-	-	V	-	-	V	-	V	-	-	V	-	-	-	-	V	-	-	-	-	V	-	-	-	-
	Transfer Disinfection (into grade listed)	V	S	-	V	S	-	V	-	V	-	-	V	S	S	S	-	V	S*	-	-	-	V	S*	-	-	-
	Removal of Residues	V	S	-	V	S	-	V	-	V	-	-	V	-	-	-	-	V	-	V	-	-	V	-	-	-	-
	Equipment / Trolley / Steppers etc.	V	S	-	V	S	-	V	-	V	-	-	V	S	S	S	S*	V	S*	-	-	-	V	S*	-	-	-
	Cleaning & Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	V	-	-	-	-	-
Excursions / Shutdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	S*	-	-	-	-	-	-	-	-	-	-	
B	Large Surfaces	V	V	-	V	V	-	V	-	V	S*	-	V	V	V	V	S	V	S*	V	-	-	V	S*	V	-	-
	Product Contact Areas	V	-	-	V	-	-	V	-	V	-	-	V	-	-	-	-	V	-	-	-	-	V	-	-	-	-
	Glove Disinfection	V	S	-	V	S	-	V	-	V	-	-	V	S	S	S	-	V	-	-	-	-	V	-	-	-	-
	Transfer Disinfection (into grade listed)	V	S	-	V	S	-	V	-	V	-	-	V	S	S	S	-	V	S*	-	-	-	V	S*	-	-	-
	Removal of Residues	V	S	-	V	S	-	V	-	V	-	-	V	-	-	-	-	V	-	V	-	-	V	-	-	-	-
	Equipment / Trolley / Steppers etc.	V	V	-	V	V	-	V	-	V	-	-	V	V	V	V	S*	V	S*	-	-	-	V	S*	-	-	-
	Cleaning & Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	V	-	-	-	-	-
Excursions / Shutdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	S	-	-	-	-	-	-	-	-	-	-	
C	Large Surfaces	S	V	S	S	V	S	S	S	S	S	S	V	V	V	V	V	V	V	V	-	-	V	V	V	-	-
	Product Contact Areas	V	-	-	V	-	-	V	-	V	-	-	V	-	-	-	-	V	-	-	-	-	V	-	-	-	-
	Glove Disinfection	S	S	S*	S	S	S*	S	S	S	S	S	S	S	V	S	-	S	S	-	-	-	S	S	-	-	-
	Transfer Disinfection (into grade listed)	S	S	S	S	S	S	S	S	S	S	S	S	V	V	V	S*	S	S*	-	-	-	S	S*	-	-	-
	Removal of Residues	S	S	S	S	S	S	S	S	S	S	S	S	-	-	-	-	S	-	S	-	-	S	-	-	-	-
	Equipment / Trolley / Steppers etc.	S	V	S	S	V	S	S	S	S	S	S	V	S*	S*	S	S*	V	V	V	V	V	S*	-	-	-	
	Cleaning & Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	V	-	-	-	-	-
Excursions / Shutdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	-	-	-	-	-	-	-	-	-	-	
D	Large Surfaces	S	V	S	S	V	S	S	S	S	S	S	V	V	V	V	V	V	V	V	-	-	V	V	V	-	-
	Product Contact Areas	V	-	-	V	-	-	V	-	V	-	-	V	-	-	-	-	V	-	-	-	-	V	-	-	-	-
	Glove Disinfection	S	S	S*	S	S	S*	S	S	S	S	S	S	S	V	S	-	S	S	-	-	-	S	S	-	-	-
	Transfer Disinfection (into grade listed)	S	S	S	S	S	S	S	S	S	S	S	S	V	V	V	S*	S	S*	-	-	-	S	S*	-	-	-
	Removal of Residues	S	S	S	S	S	S	S	S	S	S	S	S	-	-	-	-	S	-	S	-	-	S	-	-	-	-
	Equipment / Trolley / Steppers etc.	S	V	S	S	V	S	S	S	S	S	S	V	S*	S*	S	S*	V	V	V	V	V	S*	-	-	-	
	Cleaning & Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	V	-	-	-	-	-
Excursions / Shutdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	V	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED	Large Surfaces	S*	S	V	S*	S	V	S*	V	S*	S	V	S	S	V	S	S	S*	S	V	-	-	S	S	S	-	-
	Product Contact Areas	S*	-	-	S*	-	-	S*	-	S*	-	-	S	-	-	-	-	S*	-	-	-	-	S	-	-	-	-
	Glove Disinfection	S*	S	S	S*	S	S	S*	S	S*	S	S	S	-	-	-	-	S*	-	-	-	-	S	-	-	-	-
	Removal of Residues	S*	S*	V	S*	S*	V	S*	V	S*	V	V	S*	S*	S	S*	S	S*	S*	S	S*	S	S*	S*	S*	-	-
	Equipment / Trolley / Steppers etc.	S*	S*	V	S*	S*	V	S*	V	S*	V	V	S*	S*	S	S*	S	S*	S*	S	S*	S	S*	S*	S*	-	-
	Cleaning & Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Excursions / Shutdown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S	S	-	-	-	-	-	-	-	-	-	-

Note

Products from the following series are not listed in this overview:

- ▶ Amine
- ▶ Quat Biguanide
- ▶ Sporidical Chlorine Quat⁽⁹⁾
- ▶ Alcohol 60|40

These will only be produced until approx. February 2021, respectively October 2020⁽⁹⁾. Until their end of production we only supply existing customers, so please contact us to recommend alternative products.

ABBREVIATIONS	
CFU	Colony forming unit
Conc.	Concentrate
DI	Deionised water
EU	Endotoxine Unit
IPA	Isopropanol (Propan-2-ol)
MDC	Metered dose concentrate
RTU	Ready-to-use
UDC	Unit dose concentrate
WFI	Water for injection

RECOMMENDED LIMITS FOR MICROBIAL CONTAMINATION				
(EU) GMP grade	Air sample CFU/m ³	Sedimentation plates (ø 90 mm) CFU/4 hours	Contact plates (ø 55 mm) CFU/plate	Glove prints 5 fingers CFU/glove
A	< 1	< 1	< 1	< 1
B	10	5	5	5
C	100	50	25	-
D	200	100	50	-

RECOMMENDED LIMITS FOR AIRBORNE PARTICULATE CONTAMINATION MAXIMUM PERMISSIBLE PARTICLE NUMBER / m ³					
(EU) GMP grade	EN ISO 14644-1 classes	at rest ≥ 0.5 µm	at rest ≥ 5 µm	on the move ≥ 0.5 µm	on the move ≥ 5 µm
A	5	3,520	20	3,520	20
B	6	3,520	29	352,000	2,900
C	7	352,000	2,900	3,520,000	29,000
D	8	3,520,000	29,000	not specified	not specified

MANUFACTURER'S DATA	
Klercide™ (liquid mixtures) and Klerwipe™ (saturated wipes) are trademarks of ECOLAB® USA Inc.	
V = very suitable Outperforming the EN thresholds, e.g. reduced contact time, increased log reduction	
S = suitable Meets the EN thresholds or those of the DVV/Robert-Koch-Institut guidelines for enveloped viruses	
S* = suitable, but not recommended	