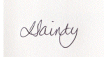


PRODUCT DATA PACK (PDP)	PDP REF: PDP-CHEMGENE v02	
NAME: CHEMGENE MedLab Multi-Surface Disinfectant CODE: B3012		

DOCUMENT ISSUE			
ROLE	NAME	JOB TITLE	SIGN & DATE
AUTHOR	Lauren Sainty	Senior Microbiologist	 23-Nov-2023
REVIEWER	Dr Chris Plummer	Head of Technology	 23-Nov-2023
QUALITY APPROVER	Megan Bowles	Quality Specialist	 23-Nov-2023
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ISSUE DATE	23 NOV 2023	REVIEW DATE	23 NOV 2025

PRODUCT INFORMATION	
PRODUCT NAME	CHEMGENE MedLab Multi-Surface Disinfectant
PRODUCT CODE	B3012
FORMULATION VARIANTS	B3012 – Unfragranced B3012B – Eucalyptus
SDS REFERENCE	SDS-B3012 CHEMGENE
NOTE: ACTIVE INGREDIENTS AND SAFETY INFORMATION DETAILED IN SDS	
DIRECTIONS FOR USE	For professional use only. Use CHEMGENE as required. Refer to the safety data sheet prior to use. For biohazard decontamination and efficacy in blood soil conditions, please see efficacy tables below. People need not be excluded from the areas during use. Remove excess soiling prior to disinfection. SL Soluble concentrate. Prepare the required concentration of disinfection solution according to the dilution table. Empty packaging may be recycled where facilities exist. Not to be used to disinfect medical devices.
APPLICATION AREAS	PT 2 - Disinfectants and algacides not intended for direct application to humans or animals
STORAGE CONDITIONS	- Keep out of reach of children - Store at ambient temperature - Store in a closed container. - Protect from frost - Protect from heat - Keep away from oxidising substances - Incompatibility with other materials: Oxidising substances, Anionics, Peroxides, Acids

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SHELF-LIFE	2 years under recommended storage conditions. Established following criteria for accelerated storage test in section 3.4.1.1 of ECHA guidance on the BPR: Volume I. Part A. Chapter III: Requirements for Biocidal Products. Version 1.1 November 2014
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PRODUCT SPECIFICATION	
APPEARANCE	Clear liquid
COLOUR	B3012 – Colourless to pale yellow B3012B – Blue
ODOUR	B3012 – Characteristic B3012B – Eucalyptus fragrance
pH	Concentrate - 10.50 – 11.40 1%-2% dilution – 9.00 – 10.00 10% dilution - 9.50 – 11.00 20% dilution - 10.50 – 11.40
SPECIFIC GRAVITY	1.010 – 1.050 (20°C)
VISCOSITY	n/a

BACTERICIDAL EFFICACY					
TEST REF	TEST ORGANISMS	TEST CONDITIONS	TEST RESULT	REPORT REF	COMMENTS
EN13727	<i>Escherichia coli</i>	5 min, high soil, 1%, 20°C	>5 log reduction	TR_779	B3012B
EN17387	<i>Escherichia coli</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_785	n/a
EN13727	<i>Enterococcus hirae</i>	5 min, high soil, 1%, 20°C	>5 log reduction	TR_779	B3012B
EN17387	<i>Enterococcus hirae</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_783	n/a
EN17387	<i>Enterococcus hirae</i>	5 min, high soil, 2%, 20°C	>5 log reduction	TR_784	n/a
EN13727	<i>Pseudomonas aeruginosa</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_778	B3012B
EN13727	<i>Pseudomonas aeruginosa</i>	5 min, high soil, 2%, 20°C	>5 log reduction	TR_779	B3012B
EN17387	<i>Pseudomonas aeruginosa</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_809	n/a
EN17387	<i>Pseudomonas aeruginosa</i>	5 min, high soil, 2%, 20°C	>5 log reduction	TR_784	n/a
EN13727	<i>Staphylococcus aureus</i>	5 min, high soil, 1%, 20°C	>5 log reduction	TR_779	B3012B
EN17387	<i>Staphylococcus aureus</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_783	n/a

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BACTERICIDAL EFFICACY					
TEST REF	TEST ORGANISMS	TEST CONDITIONS	TEST RESULT	REPORT REF	COMMENTS
EN17387	<i>Staphylococcus aureus</i>	5 min, high soil, 2%, 20°C	>5 log reduction	TR_784	n/a
EN13727	<i>Streptococcus pyogenes</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_780	n/a
EN17387	<i>Streptococcus pyogenes</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_787	n/a
EN13727	<i>Moraxella catarrhalis</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_781	n/a
EN17387	<i>Moraxella catarrhalis</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_786	n/a
EN13727	<i>Enterococcus faecium</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_780	n/a
EN17387	<i>Enterococcus faecium</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_787	n/a
EN13727	Methicillin-resistant <i>Staphylococcus aureus</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_780	n/a
EN17387	Methicillin-resistant <i>Staphylococcus aureus</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_787	n/a
EN13727	<i>Klebsiella pneumoniae</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_780	n/a
EN17387	<i>Klebsiella pneumoniae</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_787	n/a
EN13727	<i>Acinetobacter baumannii</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_782	n/a
EN17387	<i>Acinetobacter baumannii</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_811	n/a
EN13727	<i>Enterobacter cloacae</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_782	n/a
EN17387	<i>Enterobacter cloacae</i>	5 min, low soil, 1%, 20°C	>5 log reduction	TR_785	n/a
EN13623	<i>Legionella pneumophila</i>	10 min, low soil, 1%, 20°C	>4 log reduction	TR_794	n/a
EN13623	<i>Legionella pneumophila</i>	5 min, low soil, 2%, 20°C	>4 log reduction	TR_794	n/a

PRODUCT DATA PACK (PDP)	PDP REF:	
NAME: CHEMGENE MedLab Multi-Surface Disinfectant CODE: B3012	PDP-CHEMGENE v02	

YEASTICIDAL/FUNGICIDAL EFFICACY					
TEST REF	TEST ORGANISMS	TEST CONDITIONS	TEST RESULT	REPORT REF	COMMENTS
EN13624	<i>Candida albicans</i>	5 min, high soil, 1%, 20°C	>4 log reduction	TR_793	B3012B
EN17387	<i>Candida albicans</i>	5 min, high soil, 2%, 20°C	>4 log reduction	TR_789	n/a
EN17387	<i>Candida albicans</i>	10 min, low soil, 1%, 20°C	>4 log reduction	TR_806	n/a
EN13624	<i>Candida auris</i>	5 min, low soil, 2%, 20°C	>4 log reduction	TR_788	n/a
EN17387	<i>Candida auris</i>	5 min, low soil, 2%, 20°C	>4 log reduction	TR_789	n/a
EN17387	<i>Candida auris</i>	10 min, low soil, 1%, 20°C	>4 log reduction	TR_806	n/a
EN13624	<i>Aspergillus brasiliensis</i>	10 min, low soil, 5%, 20°C	>4 log reduction	TR_790	n/a
EN17387	<i>Aspergillus brasiliensis</i>	10 min, low soil, 5%, 20°C	>4 log reduction	TR_791	n/a

VIRUCIDAL EFFICACY					
TEST REF	TEST ORGANISMS	TEST CONDITIONS	TEST RESULT	REPORT REF	COMMENTS
EN14476	Vaccinia virus	1 min, low soil, 1%, 20°C	>4 log reduction	TR_798	n/a
EN14476	Vaccinia virus	15 min, high soil, 2%, 20°C	>4 log reduction	TR_799	n/a
EN16777	Vaccinia virus	10 min, low soil, 1%, 20°C	>4 log reduction	TR_800	n/a
EN16777	Vaccinia virus	15 min, high soil, 2%, 20°C	>4 log reduction	TR_801	n/a
EN14476	Adenovirus	5 min, low soil, 10%, 20°C	>4 log reduction	TR_802	n/a
EN16777	Adenovirus	5 min, low soil, 10%, 20°C	>4 log reduction	TR_803	B3012B
EN14476	Norovirus	2 min, low soil, 10%, 20°C	>4 log reduction	TR_810	n/a
EN14476	Norovirus	5 min, low soil, 5%, 20°C	>4 log reduction	TR_804	n/a
EN16777	Norovirus	30 min, low soil, 10%, 20°C	>4 log reduction	TR_808	n/a
EN16777	Norovirus	45 min, low soil, 5%, 20°C	>4 log reduction	TR_805	n/a

VIRUCIDAL EFFICACY AGAINST BACTERIOPHAGES					
TEST REF	TEST ORGANISMS	TEST CONDITIONS	TEST RESULT	REPORT REF	COMMENTS
EN13610	<i>Lactococcus lactis</i> subsp. <i>lactis</i> P001 DSM 4262	5 min, 1% acidic whey, 0.5%, 20°C	>4 log reduction	TR_692	B3012B
EN13610	<i>Lactococcus lactis</i> subsp. <i>lactis</i> P008 DSM 10567	5 min, 1% acidic whey, 1%, 20°C	>4 log reduction	TR_692	B3012B

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ADDITIONAL DATA		
TEST METHOD	RESULT	TEST REPORT REF
Preservative Efficacy Testing	B3012 complies with the test for the Efficacy of Antimicrobial Preservatives (European Pharmacopoeia 11th Edition)	TRC_324
Antimicrobial efficacy at 3 months post-dilution (EN13727)	B3012 at 1% achieved a pass result (>log 5 reduction) when tested in high soil conditions for a 5 minute contact time in EN13727 after storage at 35°C for 2 weeks, showing that efficacy is retained for 3 months after dilution against <i>Enterococcus hirae</i> , <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> .	TR_852
Antimicrobial efficacy at 3 months post-dilution (EN13624)	B3012 at 1% achieved a pass result (>log 4 reduction) when tested in high soil conditions for a 5 minute contact time in EN13624 after storage at 35°C for 2 weeks, showing that efficacy is retained for 3 months after dilution against <i>Candida albicans</i> .	TR_852
Virucidal efficacy at 3 months post-dilution (EN16777)	B3012 at 10% achieved a pass result (>log 4 reduction) when tested in low soil conditions for a 30 minute contact time in EN16777 after storage at 35°C for 2 weeks, showing that efficacy is retained for 3 months after dilution against Norovirus.	TR_860
DNA Denaturation	B3012 at 1% dilution is effective at denaturing DNA in 5 mins	TR_807
Stain and odour testing	B3012F, at 20% dilution, was effective at removing staining and odour from carpet tiles caused by common household agents including red wine, coffee, garden soil and cat vomit	TRC_314v3
Hard Surface Cleaning Test	B3012 at 2% is effective at cleaning both synthetic vomit and blood stains from polyurethane substrate (substitute for hard flooring)	TRC_326
Material Compatibility Testing	B3012 is compatible with stainless steel, mild steel, copper, nylon, acetal and rubber up to 20% dilution and aluminium up to 10% dilution	TRC_322
Wool Safe Testing	B3012F 2% meets the requirements of the WoolSafe programme and is suitable for use on wool carpets and rugs.	TRC_327
Wool Safe Testing	B3012H 2% meets the requirements of the WoolSafe programme and is suitable for use on wool carpets and rugs.	TRC_328

CHANGE HISTORY			
VERSION	CHANGE REFERENCE	CHANGE TYPE	REASON FOR CHANGE
02	DCC23.340	UPDATE	Addition of 3-month post-dilution efficacy data
01	DCC23.189	NEW	New PDP for new product