



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

DOCUMENT ISSUE			
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PRODUCT INFORMATION	
PRODUCT NAME	CHEMGENE MedLab Multi-Surface Disinfectant
PRODUCT CODE	B3012
FORMULATION VARIANTS	B3012 – Unfragranced B3012B – Eucalyptus
SDS REFERENCE	SDS-B3012 CHEMGENE
<b>NOTE: ACTIVE INGREDIENTS AND SAFETY INFORMATION DETAILED IN SDS</b>	
DIRECTIONS FOR USE	<p>For professional use only. Use CHEMGENE as required.</p> <p>Refer to the safety data sheet prior to use. For biohazard decontamination and efficacy in blood soil conditions, please see efficacy tables below.</p> <p>People need not be excluded from the areas during use.</p> <p>Remove excess soiling prior to disinfection.</p> <p>SL Soluble concentrate. Prepare the required concentration of disinfection solution according to the dilution table.</p> <p>Empty packaging may be recycled where facilities exist.</p> <p>Not to be used to disinfect medical devices.</p>
APPLICATION AREAS	PT 2 - Disinfectants and algacides not intended for direct application to humans or animals
STORAGE CONDITIONS	<ul style="list-style-type: none"> <li>- Keep out of reach of children</li> <li>- Store at ambient temperature</li> <li>- Store in a closed container.</li> <li>- Protect from frost</li> <li>- Protect from heat</li> <li>- Keep away from oxidising substances</li> <li>- Incompatibility with other materials: Oxidising substances, Anionics, Peroxides, Acids</li> </ul>

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<b>SHELF-LIFE</b>	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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<b>PRODUCT SPECIFICATION</b>	
<b>APPEARANCE</b>	Clear liquid
<b>COLOUR</b>	B3012 – Colourless to pale yellow B3012B – Blue
<b>ODOUR</b>	B3012 – Characteristic B3012B – Eucalyptus fragrance
<b>pH</b>	Concentrate - 10.50 – 11.40 1%-2% dilution – 9.00 – 10.00 10% dilution - 9.50 – 11.00 20% dilution - 10.50 – 11.40
<b>SPECIFIC GRAVITY</b>	1.010 – 1.050 (20°C)
<b>VISCOSITY</b>	n/a

<b>BACTERICIDAL EFFICACY</b>					
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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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

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<b>YEASTICIDAL/FUNGICIDAL EFFICACY</b>					
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

<b>VIRUCIDAL EFFICACY</b>					
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

<b>VIRUCIDAL EFFICACY AGAINST BACTERIOPHAGES</b>					
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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<b>ADDITIONAL DATA</b>		
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

<b>CHANGE HISTORY</b>			
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