



Product Data Pack

4 in 1 Multi-Purpose Surface Cleaner and
Disinfectant spray – Cut Grass (B2048A)

Includes Microbiological Data and Chemical Specification

4-in-1 Multi-Purpose Surface Cleaner and Disinfectant Spray



Product specification

Appearance: Clear liquid
Colour: Colourless to pale yellow
Odour: Characteristic
pH: 9.50 – 10.50 (20°C)
S.G.: 0.990 – 1.010 (20°C)
Viscosity: Not applicable

Application areas

Suitable for most hard surfaces including stainless steel, plastic, tiles, floors, walls, fridges and sanitary ware, as well as fabric, furnishings, carpets and upholstery.

Directions for use

Remove as much surface soiling as possible, spray the product generously onto the stained area and rub gently with a cloth or paper towel. No need to rinse. Heavy stains may require a second application. (Allow surfaces to dry before allowing pets to walk on treated areas.) If in doubt, always test on an inconspicuous area prior to use.

Safety



Warning

Storage

Keep containers upright. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Avoid contact with oxidising agents. Store at temperatures not exceeding 35°C.

Active ingredients

Didecyldimethylammonium Chloride 0.56g per 100g,
Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride 0.14g per 100g.

Other ingredients:
< 5% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% non-ionic surfactants, < 5% perfumes

Contains:
3-cyclohexene carboxaldehyde, Hexyl cinnamal, 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one, Iodopropynyl butylcarbamate.

MSDS Reference

B2048A

Hazard statements

Causes serious eye irritation
Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep out of the reach of children.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Avoid release to the environment.
Dispose of contents / container in accordance with national regulations.
(Wash contaminated skin thoroughly after handling.)
(Wear protective gloves/ protective clothing/ eye protection/ face protection.)

Shelf life stability data

2 year 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

Antimicrobial efficacy

Bactericidal Efficacy

Bactericidal activity, EN 1276 Quantitative suspension test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 1276	<i>E. coli</i>		5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276	<i>E. hirae</i>		5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276	<i>P. aeruginosa</i>		5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276	<i>S. aureus</i>		5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276		<i>L. monocytogenes</i>	5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276		<i>S. typhimurium</i>	5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276		MRSA	5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 471
EN 1276		<i>C. jejuni</i>	5 min, high soil, 20°C		>5log	>5log, 5 min, high soil, 20°C	TR 386v2

Bactericidal activity, EN 1656 Quantitative suspension test, veterinary area.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 1656	<i>P. vulgaris</i>			5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 378v2
EN 1656	<i>E. hirae</i>			5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 378v2
EN 1656	<i>P. aeruginosa</i>			5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 378v2
EN 1656	<i>S. aureus</i>			5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 378v2
EN 1656		<i>E. coli</i>		5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 378v2
EN 1656		MRSA		5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 470
EN 1656		<i>S. typhimurium</i>		5 min, high soil, 20°C	>5log	>5log, 5 min, high soil, 20°C	TR 470

Bactericidal activity, EN 13697 Quantitative non-porous surface test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 13697	<i>E. coli</i>			30 secs, high soil, 20°C	>4log	>4log, 30 sec, high soil, 20°C	TR 459
EN 13697	<i>E. hirae</i>			30 secs, high soil, 20°C	>4log	>4log, 30 sec, high soil, 20°C	TR 459
EN 13697	<i>P. aeruginosa</i>			30 secs, high soil, 20°C	>4log	>4log, 30 sec, high soil, 20°C	TR 459
EN 13697	<i>S. aureus</i>			30 secs, high soil, 20°C	>4log	>4log, 30 sec, high soil, 20°C	TR 459
EN 13697		<i>L. monocytogenes</i>	5 min, high soil, 20°C		>4log	>4log, 5 min, high soil, 20°C	TR 461
EN 13697		MRSA	5 min, high soil, 20°C		>4log	>4log, 5 min, high soil, 20°C	TR 461
EN 13697		<i>S. typhimurium</i>	5 min, high soil, 20°C		>4log	>4log, 5 min, high soil, 20°C	TR 472

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Bactericidal activity, EN 14349 Quantitative non-porous surface test, veterinary area.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 14349	<i>P. vulgaris</i>			5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 381v2
EN 14349	<i>E. hirae</i>			5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 381v2
EN 14349	<i>P. aeruginosa</i>			5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 381v2
EN 14349	<i>S. aureus</i>			5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 381v2
EN 14349		<i>E. coli</i>		5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 381v2
EN 14349		<i>S. typhimurium</i>		5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 407v2
EN 14349		MRSA		5 min, high soil, 20°C	>4log	>4log, 5 min, high soil, 20°C	TR 464

24-hr Residual Bactericidal Activity, Quantitative non-porous surface test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
PAS 2424	<i>E. coli</i>		5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 462v3
PAS 2424	<i>E. hirae</i>		5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 468v3
PAS 2424	<i>P. aeruginosa</i>		5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 468v3
PAS 2424	<i>S. aureus</i>		5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 468v3
PAS 2424		<i>L. monocytogenes</i>	5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 463

Yeasticidal and Fungicidal Efficacy

Yeasticidal activity, EN 1650 Quantitative suspension test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 1650	<i>C. albicans</i>		5 min, high soil, 20°C		>4log	>4log, 5 min, high soil, 20°C	TR 465

Yeasticidal activity, EN 13697 Quantitative non-porous surface test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 13697	<i>C. albicans</i>		5 min, high soil, 20°C		>3log	>3log, 5 min, high soil, 20°C	TR 473

Fungicidal activity, EN 13697 Quantitative non-porous surface test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 13697	<i>A. brasiliensis</i>		15 min, high soil, 20°C		>3log	>3log, 15 min, high soil, 20°C	TR 466

Fungicidal activity, EN 16438 Quantitative non-porous surface test, veterinary area.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 16438	<i>A. brasiliensis</i>			30 min, high soil, 20°C	>3log	>3log, 30 min, high soil, 20°C	TR 460
EN 16438		<i>T. mentagrophytes</i>		60 min, low soil, 20°C	>3log	>3log, 60 min, low soil, 20°C	TR 467

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24-hr Residual Yeasticidal Activity, Quantitative non-porous surface test.							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
PAS 2424	<i>C. albicans</i>		15 min, high soil, 20°C		>3log	>3log, 15 min, high soil, 20°C	TR 469v3

7-day mildew/fungistatic test on hard non porous surface test							
Test method	Standard test organisms	Additional organisms	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EPA Hard Surface Mildew-Fungistatic Test	<i>A. niger</i>		High soil, 5% foetal bovine serum		No regrowth of <i>A. niger</i> 7 days post-treatment	Pass according to EPA protocol (3 sprays applied)	TR 540

Virucidal Efficacy

Virucidal activity, EN 14675 Quantitative suspension test							
Test method	Standard test virus	Additional virus	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 14675		Feline calicivirus		30 min, low soil, 20°C	>3log	>4log, low soil, 30 mins, 20°C	TR 448

Anti-viral activity, EN 14476 Quantitative suspension test							
Test method	Standard test virus	Additional virus	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
EN 14476		Influenza H1N1		Low soil, 60 secs, 20°C	>4log	>4log Low soil, 60 secs, 20°C	TR 319
EN 14476		Rotavirus		Low soil, 60 secs, 20°C	>4log	>4log Low soil, 60 secs, 20°C	TR 323
EN 14476		Coronavirus		Low soil, 60 secs, 20°C	>4log	>4log Low soil, 60 secs, 20°C	TR 320
EN 14476	Norovirus			Low soil, 30 mins, 20°C	>4log	>4log Low soil, 30 mins, 20°C	TR 322
EN 14476	Vaccinia virus			Low soil, 60 secs, 20°C	>4 log	>4log low soil, 60 secs, 20°C	TR 447

24-hr Residual Virucidal Activity (Enveloped Virus), Quantitative non-porous surface test.							
Test method	Standard test virus	Additional virus	Standard test conditions	Additional test conditions	Log reduction required	Result	Test reference
PAS 2424 (modified for virus)		<i>Vaccinia virus</i>	5 min, high soil, 20°C		>3log	>3logR, 5 min, high soil, 20°C, 24-hour post product application	TR 541

Chemical analysis

Test method	Test reference
Stain and odour testing	TRC 278