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Dow Biocides Animal Biosecurity

GLUTEX™ GS2 SANITIZER & GQ2 SANITIZER: EFFICACY AT 4°C (39.2°F)

Recent efficacy testing by Dow Biocides to meet the registration requirements set by the Department for Environment, Food and Rural Affairs (DEFRA) in the United Kingdom, has shown that the products GLUTEX™ GS2 and GLUTEX™ GQ2 are effective sanitizers against both *Salmonella choleraesuis* and *Mycobacterium smegmatis*, at the lower temperature of 4°C (39.2°F).

The GLUTEX™ product portfolio is a range of specially formulated sanitizers for farm animal and poultry housing facilities and associated equipment, as well as industrial equipment and buildings. GLUTEX Sanitizers are proprietary formulated concentrates combining the powerful antimicrobial action of glutaraldehyde with other efficacy enhancing additives.

While the effectiveness of glutaraldehyde as a sanitizer has been extensively tested under a range of conditions, the efficacy of both GLUTEX GS2 and GLUTEX GQ2 Sanitizers were assessed at a lower temperature of 4°C (39.2°F) with recommended use concentrations to mimic typical use conditions for some specific countries.

Dow Biocides laboratories in Buffalo Grove, IL, USA tested the efficacy of GLUTEX GS2 and GLUTEX GQ2 Sanitizers at 4°C (39.2°F) with a contact time of 30 minutes for the test organism *Salmonella choleraesuis* and with a contact time of 60 minutes for *Mycobacterium smegmatis*.

Pass criteria for this test is to achieve a 4 log kill at 4°C (39.2°F) at specified contact time. Both GLUTEX GS2 and GQ2 Sanitizers met the standards set by the DEFRA requirement. Further testing is planned at DEFRA-approved laboratories in 2008.

Table 1. Efficacy data at 4°C/39.2°F

Tested species	Strain Reference	Control Titre CFU/ml	Log Reduction Bacterial population	Contact Time mins	Recommended product dilution 1 part disinfectant to X parts of water	
					GLUTEX GS2	GLUTEX GQ2
<i>Salmonella choleraesuis</i>	ATCC 10708	1.E+06	4	30	60	160
<i>Mycobacterium smegmatis</i>	ATCC 700044	1.E+06	4	60	10	30

For additional efficacy testing information and data, please review the GLUTEX Sanitizers Technical Data Sheet (Form Number 253-01805).

NOTE: Not all GLUTEX™ products, applications and/or uses are registered and approved in all regions/countries/states. Please check with your local Dow Biocides representative for up-to-date information.


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USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

Please note that not all products are registered in all regions for all applications. Please contact your local Dow representative for detailed technical information applicable to your individual situation.

For further information, visit our website www.dowbiocides.com or call:

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