

07/05/2018 reference H2364

Hygiene Technologies Ltd, 28 Rangitane Rd Whakatu 4172,
P O Box 2366 Stortford Lodge, Hastings 4153. Phone 06
8764111, Contact Glen Senior Glen@hygienetech.co.nz

Global Proficiency Ltd for AsureQuality Ltd,
Unit 2/25 Mareno Rd, (P O Box 1335)
Tullamarine Vic 3043, Australia +61 3 9089
1151
Global Proficiency Ltd for AsureQuality Ltd,
Ruakura Research Centre, 10 Bisley Road,
Enderley, Hamilton 3241, P O Box 20474
Hamilton

To whom it may concern,
Deep Blue


- Product description: sanitiser, neutral general purpose, foam medium-high
- Product use: food contact surfaces viz indirect contact

"Passed AsureQuality assessment for food/ beverage/ dairy factory food contact surfaces with residues drained & minimised e.g. safe rinsed" H2364 with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See <http://assessedproducts.asurequality.com/>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

- Used per instructions, legislation, & GMP, for food contact surfaces with residues drained & minimized e.g. safe rinsed.
- Use / carry-over to food should be minimised to ensure food function or composition are not affected, that residues are within applicable Maximum Residue Limits and that food legislation requirements are met.
- The assessment is subject to notification of change and expires on 05/06/2023.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning.

Prepared by Global Proficiency for AsureQuality Ltd by
Bob Hutchinson PhD SENIOR DEVELOPMENT SCIENTIST..... *R B Hutchinson*

Supplier:  Date: *08/05/18*

Scope and purpose of the assessment:

- Asurequality assessment is a non-regulated, voluntary, and evidential certification by the supplier demonstrating equivalence with food safety standards, and also that product instructions address hazards for staff & equipment. The assessment is independently confirmed, without prejudice or guarantee, using information submitted by the supplier or from other sources. Confidentiality of the product formulation is maintained using coded material identifiers in the report, and appendices containing confidential information are provided only to the supplier.
- Scope: NZ checks (FSANZ, US FDA 21 CFR/ NSF, Food Chemicals Codex, EPA NZ, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods. Quality Manual - Assessment Procedures.

Summary of assessment with risks highlighted:

- Information status & prior registrations (New AsureQuality Assessment MPI non-dairy animal products approved C43 non-dairy animal products. EPA NZ HSR002526 cleaning products corrosive group standard with triggers etc).
- Food safety (Components on one or more of CFR/ FSANZ/ France alimentary list/ similar safety listings in the table. Residue safety based on rinse/ minimisation as levels may otherwise exceed USA permissions & EU residue limits for QAC. Purities sighted not inconsistent with Food Chemicals Codex/ FSANZ Food Code taking account of low contact here).
- QA (Not necessarily required for mostly non-CIP).
- QC specs (See specification in the table above. Microbiology is per the sanitiser level which is high).
- Instructions --
 - Label (Hazardous. Danger. Opal deep blue QAC sanitiser concentrate - for use in the food industry with sequestrants vs hard water & wetters and foamers. MPI non-dairy animal products C43 approved. Emergency contact. UN 1760, PG II, Hazchem 2X, Corrosive liquid NOX contains Benzalkonium chloride 285 g/L. Corrosive 8, Toxic 6 & pictograms. Hazards 0 Toxic if swallowed. Causes severe skin burns & eye damage. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May damage organs through prolonged / repeat exposure. Very toxic to aquatic life with long lasting effects. Lists for Precautions, & First Aid and emergency. Directions for use: surfaces pre -cleaned & rinsed thoroughly. For floors, panel walls, benches etc, add 15 ml of Deep Blue to 10L water (450 mg/kg QAC). For porous surfaces such as plastic chopping boards, rubber belts, concrete walls, deodorising waste bins add 30ml/10L (900 mg/kg QAC). To treat foot-baths add 3 ml/1L (900 mg/kg QAC). Food contact surfaces must be thoroughly rinsed with potable water prior to re-use. Can be applied by low pressure sprayer or foaming equipment. Fully disperse before applying. Disclaimers).
 - Bulletin (is similar and adds AsureQuality passed assessment H2354 (not approved). Specifications (clear dark blue liquid, pH 7.5-9.0. SG 0.996, foam medium high, %QAC 30%).
 - SDS (Identification, Dangerous Goods. Hazardous substances with hazards elaborated from label. Composition (Benzalkonium chloride 30%, Sequestrants <10%, surfactants <5%, Blue dye <0.1%, water to 100%). Lists for First Aid, Fire, Accidental Release, Handling, & Exposure Controls (NO OSH value assigned), Properties (listed as above), Stability (reacts with acids & anionic cleaners). Toxicology (similar "hazards" + LD50 of QAC. Ecology list. Disposal list. Transport requirements. Regulatory EPA NZ HSR002526 cleaning products corrosive group standard. Hazards list. Trigger & emergency management).
- Unwanted effects (HSNO etc per SDS & EPA NZ & Australian AICS. Otherwise production side effects safety is inferred from food listings & stability section of SDS).
- Efficacy (Sighted Block on "Saniters" & in word report see Chemcolour MIC lab test data)