

28/06/2018 reference H4001 a-e

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To whom it may concern,

**Biochem Solutions products - Biofoam (H4001a), Bio-Bugs (H4001b), Bio-Fog (H4001c), Bio-Foam & Fog (H4001d), Bio-Cleaner (H4001e)**

- Product description: cleaner & odour remover
- Product use: for cleaning of organics - fat, oil & grease in & around drains associated with food areas.

**"Passed AsureQuality assessment for food/ beverage/ dairy factory drains associated with food areas" H4001 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, restricted to in & close around drains associated with food areas. (This excludes general environmental cleaning & requires continued production from non-pathogenic and nontoxicogenic strains).
- The assessment is subject to notification of change and expires on 28/06/2023.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning.

Prepared by Global Proficiency for AsureQuality Ltd...

*REG Hutchinson*

Supplier:.....

Date: *10/7/2018*

**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:**

- Prior registrations (Regulatory says complies with TSCA, & AICS etc w/o NZIoC on list. New AsureQuality Assessment).
- Food safety (is according to non contact & localised drain treatment conditions. There is also food surface registration of surfactants and food use of particular Bacillus - strains and use + regulatory registration of enzymes produced from them. Purity was not found or critical for non-contact here).
- QA (ISO 9000 series not necessarily required for non-contact).
- QC (Micro safety is per localised & distanced use with overall micro risk reduced by improved hygiene and control of micro-organism types in and around drains through competitive micro growth).
- Instructions –
  - Label – Example for Bio-Cleaner says warning keep out of reach of children & read label. Enzymes & surfactants to remove odour, fat, dirt & urinal crystals. Keeps pipes free of organic build-up & adds to septic system and non-corrosive, non-toxic & environmentally safe at recommended dosages. Use directions - Mopping 2-3% in cold or warm water & left. Bathrooms 2-3% 5-10 minutes, scrub & rinse off. First Aid. Emergency phone. Warning.
  - SDS (Bio-Cleaner ID section. Hazards - not HSNO hazardous, & not Dangerous Good. Potential health effects slight irritation, slight skin irritation, respiratory irritation, & slight gastro irritation. Composition (Bacillus spores <30%, Sec alkyl sulphonate CAS 97489-15-1 <10%, Alkanol polyalkoxylate CAS 10318-93-5 <10% & 2nd <5%, & Non-hazardous ingredients to balance. Lists for first aid, fire, accident, exposure controls (no exposure limits), properties (pH 7-7.5 etc), stability, toxicology (acute similar to hazards above), ecology and disposal. Transport requirements & Regulatory says complies with TSCA, & AICS etc w/o NZIoC on list).
- Unwanted effects (OSH covered by SDS & by EPA NZ listings of ingredients. Environmental effects are per organism safety and remedial work carried out with councils. Production side effects are expected safe similar to food safety above).
- Efficacy (Is by claim & otherwise outside the scope of this assessment).