

17/04/2018 reference H3120

Bayer CropScience Pty Ltd Level 1, 8 Redfern Road, Hawthorn East, Vic. 3123 Australia Tel: +61 3 9248 6612 Fax: +61 3 9248 6800 Contact Margaret Fitzgerald Mobile+61 409 8666 55 E-mail: margaret.fitzgerald@bayer.com Web: <http://www.environmentalscience.bayer.com.au>

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, Hamilton East, P O Box 20474 Hamilton

To whom it may concern,

Aqua K-Othrine Insecticide Space-Spray Concentrate

- Product description: pesticide, insecticide (Deltamethrin)
- Product use: type B outside food areas or not possible contact

"Passed AsureQuality assessment for food/beverage/dairy factory type B/C outside food areas except with no possible contact with food, contact surfaces, vents or packaging H3120" 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 manufacturer instructions, legislation & GMP outside food areas except with no possible contact with food, contact surfaces, vents or packaging in conjunction with an approved pest control programme as applicable.
- The assessment is subject to notification of change and expires on 14/05/2023).
- The full report is attached for supplier review and verification. The assessment is activated by countersigning

Prepared by Global Proficiency for AsureQuality Ltd...



Supplier:.....

Date:.....

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 (MPI animal products non-dairy type A sighted. HSNO HSR100623 & web addresses).
- Food safety (is by non-contact & raw materials food etc. listings in e.g. MPI Codex & FSANZ Australia lists. Purity sighted & low risk for non-contact here).
- QA (ISO 9000 series certification etc. n/a for non-contact).
- QC (Per QA above and micro safety is by preparation conditions and low water activity on storage).
- Instructions –
 - Label (Ecotoxic Harmful. Keep out of reach of children - read etc. Aqua K-Othrine. Insecticide space spray concentrate. Active ingredient 20g/L Deltamethrin. Solvent 250 g/L hydrocarbon liquid. A Pyrethroid based insecticide concentrate for use as a space spray for control of adult mosquitoes, flies, cockroaches, spiders and store product pests & for suppression of biting midges per Directions for use. Shake. Read etc. HSNO 6.1D. 6.3B, 6.9B, 9.1A, 9.2C. 9.3B & 9.4A. Warning harmful if swallowed. May be harmful if swallowed & enters airways, causes mild skin irritation, may be harmful if inhaled, Facial skin contact causing numbness. May cause organ damage from repeat oral exposure. Very toxic to aquatics. Harmful to soil. Toxic to terrestrial vertebrates. Very toxic to terrestrial invertebrates. Must be under approved handler control. Lists for safety directions, re-entry period, storage & disposal, environmental protection, emergency response & first aid. Use instructions with recording of details listed as points 1-9. Indoors 2.5 ml/1000 m3. Out-doors 50 ml/ ha & 2.5 ml /1000m3. Code & thermal fogging details table sighted. Maximum 0.05L product /ha 1 g deltamethrin at 5 applications/year 2+ days apart. Lists for equipment, application timing, precautions, re-entry period insecticide resistance, protection of wildlife and livestock & SDS).
 - SDS (Hazardous per HSNO etc. Composition Deltamethrin 2%, Solvent naphtha petroleum heavy aromatic <1%, Stearyl alcohol polyethoxylated 1-3%, Benzisothiazolinone 0.005-0.05%). Various lists (detailed). Exposure controls Deltamethrin TWA 0.01 mg/m3, Solvent naphtha TWA 1.6 mg/m3. Properties (include octanol water partition log Pow 6.4/20C etc), Toxicology (Added mutagenicity, carcinogenicity, reproduction toxicity w/o concerns raised. Developmental toxicity at dose similar to that for dam toxicity. Aspiration hazard may be fatal if enters airways).
- Unwanted effects (Covered by label. Production side effects ok by non-contact & refer to residues vs MRLs in table etc).
- Efficacy (Is expected from the formula vs registrations of then active materials & otherwise outside the scope of this assessment)