

01/10/2019, reference H4223

ITW Polymers and Fluids, 2/38 Trugood Drive, East Tamaki,  
Manukau 2013 Auckland. P O Box 58837 Botany 2163,  
Manukau. Ph 64 (0) 9 272 1945, Fax .2736489.  
Contact Barry Fisher [barry.fisher@itwpf.co.nz](mailto:barry.fisher@itwpf.co.nz)  
or Tracey Barden [tracey.barden@itwpf.co.nz](mailto:tracey.barden@itwpf.co.nz) [www.itwpf.co.nz](http://www.itwpf.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,

### Molybond GA50

- Product description: assembly lubricant (Molybdenum disulphide based)
- Product use: food areas, non-food contact

**"Passed AsureQuality assessment for food/beverage/dairy factory food areas & non food contact. H4223 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 –

- For use per instructions, legislation & GMP for use in up to food areas non-food contact. Carry-over to food / water prevented.
- The assessment is subject to notification of change and expires on 01/10/2024.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy statement. (NSF / USP C of A not sighted)

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 NICNAS AICS, 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. NZIoC, AICS, TSCA etc, NZWES listings).
- Food safety/toxicity (is by low contact and ingredients mostly on 21 CFR & not FSANZ). Purity (n/a for non-contact). Carry over (nil).
- QA (n/a for non-contact). QC specs (Chemistry as above & Micro (by process condition & stored near anhydrous).
- Instructions –
  - TDS (MOLYBOND ASSEMBLY PASTE (GA50) Assembly Compound containing 50% Molybdenum Disulphide- an assembly compound containing 50% of molybdenum disulphide in a lithium based grease used as an anti-seize and anti-scuffing compound for metal parts which may reach temperatures up to 400°C with excellent anti-seize capabilities compared to nickel and copper based anti-seize compounds and is extremely effective in preventing fretting corrosion in closely fitted parts assembled using freezing or heating techniques. Molybond Assembly Paste (GA50) can be used for mechanisms which may not be lubricated during service life. Areas of application Heavily loaded slides or plain bearings, Splines, Door Hinges, Roller door gear drives. Features Extremely high load capacity, Meets DEF 2304 Specification, Meets Defence Standard 80-81/1, designation ZX38, Excellent anti-seize properties, suitable for use up to 400°C, Temperature range -10°C to 150°C, Does not contain copper, nickel, aluminium or graphite)
  - SDS (Not regulated for transport of Dangerous Goods. Classification [1] Acute Toxicity (Oral) Category 5, Acute Toxicity (Inhalation) Category 5, Skin Corrosion/Irritation Category 3, Eye Irritation Category 2B. WARNING H303 May be harmful if swallowed. H333 May be harmful if inhaled. H316 Causes mild skin irritation. H320 Causes eye irritation. Mineral oil & Lithium thickener 30-60%, & Molybdenum disulphide 30-50%. NZWES mineral oil Oil mist, mineral 5 mg/m<sup>3</sup> 10 mg/m<sup>3</sup> molybdenum disulphide Molybdenum, as Mo: Insoluble compounds 10 mg/m<sup>3</sup> & further emergency limits. Toxicology (acute similar to Hazards and chronic mostly not available. Regulatory HSR002605 Lubricants (Low Hazard) Group Standard 2017 & mineral oil found on International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs New Zealand Workplace Exposure Standards (WES) Molybdenum disulphide on NZIoC & WES
- Unwanted effects (Per instructions -SDS, EPA NZ HSNO etc. Production side effects inferred ok by non-contact and partial food listings).
- Efficacy (lubrication is separate from hygiene effect).