

# PHD™

## Product Health Declaration

### Miele Australia Pty Ltd

Miele PFD 101, Miele PFD 101i, Miele PFD 103 SCi XXL, Miele PFD SCVi XXL

PFD 101 - Freestanding dishwasher with AutoOpen, FlexLine baskets, 4 Star WELS Rating and 4 Star Energy Rating.  
 PFD 101i - Integrated dishwasher with AutoOpen, FlexLine baskets, 4 Star WELS Rating and 4 Star Energy Rating.  
 PFD 103 SCi XXL - Integrated XXL dishwasher with large XXL chamber, 3D MultiFlex cutlery drawer, BrilliantLight, 4.5 Star WELS Rating and 4 Star Energy Rating.  
 PFD 104 SCVi XXL - Fully integrated XXL dishwasher with large XXL chamber, Knock2Open, 3D MultiFlex cutlery drawer, BrilliantLight, 4.5 Star WELS Rating and 4 Star Energy Rating.

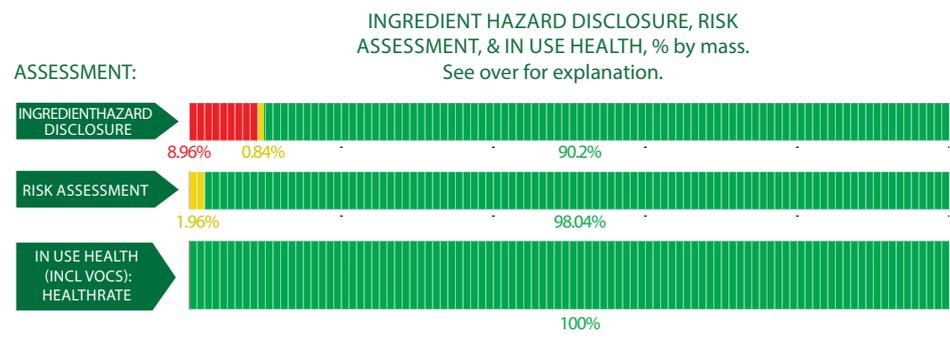
**Products/Ranges:**  
**Product Stages Assessed:**  
**Product Type:**  
**CSI Masterformat:**  
**Licenced Site/s:**  
**Licence Number:**  
**Licence Date:**  
**Valid To:**  
**Standard:**  
**Screening Date:**  
**PHD URL:**

ProfiLine free-standing and integrated dishwashers  
 Material Inputs, manufacturing, in-use  
 Dishwashers  
 TBC  
 Germany  
 MAP:PF01:2022:PH  
 4th July 2022  
 4th July 2025  
 GGT International v4.0  
 25th June 2022  
<http://www.globalgreentag.com/certificate/1809/>



<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED™ Material Transparency & Optimization credits included below:
- Meets Green Star™ 'Buildings v1.0' as Recognized for~ Credit 8: Responsible Systems
- Meets IWBI™ WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); and, meets IWBI™ WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED™ v4.0 and v4.1 Rating Tool Credit as Recognized for MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.



Declared by:  
 Global GreenTag  
 International Pty Ltd

**David Baggs**  
 CEO & Program Director  
 Verified compliant with:  
 ISO 14024 & ISO 17065

## 1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risks associated with any certified products, and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for final product throughout the product life cycle (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

- substances used or created during the manufacturing process unless they remain in the final product; or
- substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH, GoldHEALTH or PlatinumHEALTH) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

## 1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or Cleaning Products Standard v1.1/1.2 and above Program Rules.

## 1.3 External Peer Review

Every GGT PHD is independently peer-reviewed by an external Consultant Toxicologist and Member of the Australasian College of Toxicology & Risk Assessment.

## 2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients, such as LEED<sup>®</sup> v4.0 & v4.1, WELL<sup>®</sup> v1.0 & v2.0, Green Star<sup>®</sup>, the following information is declared from the audit:

Colour	Ingredient Hazard Disclosure
Green	Level 4 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects.
Orange	Level 2 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns.
Yellow	Human Health Comment The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk.
Orange	Issue of Concern or Issue of Concern Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk.
Red	Red Light Comment or Red Light Comment Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk.
Dark Red	Red Light Exclusion The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2

Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.

The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Adhesive tapes	Dishwasher component	<1%	None	OK				Very low proportion in product, toxicity assessment exception Recycled Content: None Nanomaterials: no
Electric components	Dishwasher component	10-15%	None	OK				ROHS Certified Recycled Content: None Nanomaterials: no
Fastener	Dishwasher component	<1%	None	OK				Very low proportion in product, toxicity assessment exception Recycled Content: None Nanomaterials: no
Plastic	Dishwasher component	<1%	None	OK				Very low proportion in product, toxicity assessment exception Recycled Content: None Nanomaterials: no
POM (Polyoxymethylene)	30846-29-8	<1%	None	OK				Very low proportion in product, toxicity assessment exception Recycled Content: None Nanomaterials: no
PP (Polypropylene)	9003-07-0	1-5%	None	OK				Recycled Content: None Nanomaterials: no
Rubber	Dishwasher component	<1%	None	OK				Very low proportion in product, toxicity assessment exception Recycled Content: None Nanomaterials: no
Stainless steel	Dishwasher component	20-30%	None	OK				Metal alloy exempted from toxicity assessment Recycled Content: None Nanomaterials: no
Sheet steel galvanized	Dishwasher component	10-20%	None	OK				Metal alloy exempted from toxicity assessment Recycled Content: None Nanomaterials: no
Steel	Dishwasher component	5-10%	None	OK				Metal alloy exempted from toxicity assessment Recycled Content: None Nanomaterials: no
Wiring harness	Dishwasher component	1-5%	None	OK				ROHS Certified Recycled Content: None Nanomaterials: no
Subassembly	Dishwasher component	5-10%	None	OK				Small fittings and Declaration of Conformity (DoC) provided, toxicity assessment exempted Recycled Content: None Nanomaterials: no
Declaration	Foam	10-15%	None	OK				Recycled Content: None Nanomaterials: no
Steel powder coating								
Polyester resin	28472-89-1	5-10%	None	OK				Recycled Content: None Nanomaterials: no

Isocyanate	9016-87-9	1-5%	H315(Skin Irrit. 2) H317(Skin Sens.1) H319(Eye Irrit. 2) H330(Acute Tox. 4) H334(Resp. Sens.1) H335(STOT SE 3) H351(Carc. 2) H373(STOT RE 2)	OK				This substance is fatal if inhaled, causes serious eye irritation, may cause damage to organs through prolonged or repeated exposure, is suspected of causing cancer, is harmful if swallowed, causes skin irritation, may cause respiratory irritation, may cause allergy or asthma symptoms or breathing difficulties if inhaled and may cause an allergic skin reaction. However, this substance combined with others as ingredients are melted into the solid coating. The manufacturer has certified EMS and OHS in place. Therefore, there is no risk exposed to end-users.
Epoxy Resin	68334-76-9	<1%	H315(Skin Irrit. 2) H317(Skin Sens.1) H319(Eye Irrit. 2)	OK				This substance causes serious eye irritation, causes skin irritation and may cause an allergic skin reaction. However, this substance combined with others as ingredients are melted into the solid coating. The manufacturer has certified EMS and OHS in place. Therefore, there is no risk exposed to end-users.
Titanium dioxide	13463-67-7	5-10%	H351(Carc. 2)	OK				The classification of TiO2 as a suspected carcinogen by inhalation (Commission Regulation (EU) 2020/217) came into enforcement from 1st October 2021. However, Miele has EMS and OHS in place. therefore, risk is considered low. The pigment is presented in the bound state, it does not cause harm to the end users.  Recycled Content: None Nanomaterials: no
Declaration	Additives	<1%	None	OK				Recycled Content: None Nanomaterials: no