

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.

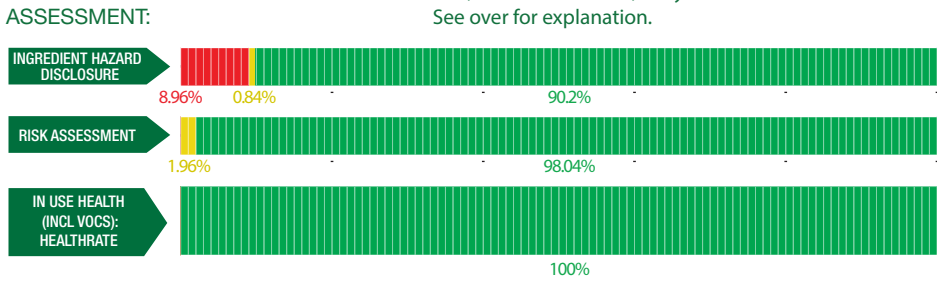
Products/Ranges: ProfiLine free-standing and integrated dishwashers
Product Stages Assessed: Material Inputs, manufacturing, in-use
Product Type: Dishwashers
CSI Masterformat: TBC
Licensed Site/s: Germany
Licence Number: MAP:PF01:2022:PH
Licence Date: 4th July 2022
Valid To: 4th July 2023
Standard: GGT International v4.0
Screening Date: 25th June 2022
PHD URL: <https://www.globalgreentag.com/getfile/13070/phd.pdf>



PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient.
- Meets Green Star Buildings v1.0 Credit 8: Responsible Systems (Good Practice Products), Green Star Design & As Built v1.3 Credit 13 Indoor Pollutant, Green Star Interiors v1.3 Credit 12: Indoor Pollutant.
- Meets WELL™ v1.0 Features 97: Material Transparency, Feature 4: VOC Reduction and, WELL™ v2.0 Features – X07: Material Transparency, X08: Material Optimisation, X06: VOC Restrictions.
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: “Building Product Disclosure and Optimisation - Material Ingredients” - Option 1: Material Ingredient Reporting and Option 2 - International ACP - REACH Optimisation.
- No worker, user, and environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass. See over for explanation.



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 risk 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:

- i. substances used or created during the manufacturing process unless they remain in the final product; or
- ii. 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) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels.

1.2 Preparing an PHD

GGT PHDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for 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 GGT International Standard v4.0, Personal Products Standard v1.0 and Cleaning Products Standard v1.0 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 Australian 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 v4.0 & v4.1, WELL v1 & v2, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	Ideal- Low No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	Medium to Low Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	Moderate Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	Very Problematic (Dark Red): Target for Phase Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.








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