



Armstrong Flooring, Inc.

# Medintone™ Diamond 10™ (TrueShield 2)

Armstrong's Medintone™ Diamond 10 (TrueShield 2) is a durable homogeneous sheet vinyl flooring. It offers a complete spectrum of soft tonal neutrals and bright pops of color perfect to create engaging learning environments and assist with way finding to orient visitors.

<b>Products/Ranges:</b>	Medintone™ Diamond 10™ (TrueShield 2)
<b>Product Stages Assessed:</b>	Whole of life +re-use potential
<b>CSI Masterformat:</b>	9 65 16.23 Vinyl Sheet Flooring
<b>Licenced Site/s:</b>	Suzhou, China
<b>Licence Number:</b>	AWF-015-v1-2019-PHD
<b>Licence Date:</b>	24th June 2019
<b>Valid To:</b>	24th June 2022
<b>Standard:</b>	GGT International v4.0
<b>Screening Date:</b>	26th April 2019
<b>PhD URL:</b>	<a href="https://www.globalgreentag.com/wp-content/uploads/2019/06/190925_AWF_Medintone_PHD_v1.pdf">https://www.globalgreentag.com/wp-content/uploads/2019/06/190925_AWF_Medintone_PHD_v1.pdf</a>



This PhD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check [www.globalgreentag.com](http://www.globalgreentag.com) for currency. [Note disclaimer over.](#)

PhD Summary	Inventory Threshold:	Inventory Method:						
Percentage Assessed: <b>100%</b>	100ppm Product Level	Nested Materials						
<ul style="list-style-type: none"> <li> GreenTag Banned List Compliant- Annex XVII of REACH, SVHC Candidate/Authorisation List in REACH</li> <li> Meets USGBC LEED® v4.0 Rating Tool MR Credit: Building Product Disclosure and Optimisation- Material Ingredients - option 2</li> <li> Meets Indoor Air Quality VOC emission requirements for Green Star</li> <li> Meets WELL™ Building Standard v1.0: Feature 4 VOC Reduction Part3: Flooring, Feature 26 Enhanced Material Safety Part 1 Precautionary Material Selection and Feature 97 Material Transparency Part 1 Material Information</li> <li> Meets WELL™ Building Standard v2.0: X11Long-Term Emission Control Part 2 Mnage Flooring and Insulation Emissions, X13 Enhanced Material Precaution Part 1 Select Optimised Materials, X14 Material Transparency Part 1 Promote Ingredient Disclosure</li> <li> Product Meets Optimisation requirements - No Grey or Red Light category ingredients</li> <li> No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> <li> No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> <li> No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> </ul>								
<p>ASSESSMENT:</p> <p style="text-align: center;">INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, &amp; IN USE HEALTH, % by mass.</p> <table border="0"> <tr> <td style="background-color: #008000; color: white; padding: 5px;">INGREDIENT HAZARD DISCLOSURE</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="background-color: #008000; color: white; padding: 5px;">RISK ASSESSMENT</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="background-color: #008000; color: white; padding: 5px;">IN USE HEALTH (INCL VOCS): HEALTHRATE</td> <td style="text-align: center;"> </td> </tr> </table>			INGREDIENT HAZARD DISCLOSURE		RISK ASSESSMENT		IN USE HEALTH (INCL VOCS): HEALTHRATE	
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		<p>Declared by: Global GreenTag International Pty Ltd</p> <p><b>David Baggs</b> CEO &amp; Program Director Verified compliant with: ISO 14024 &amp; ISO 17065</p>						

## 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 each homogeneous ingredient 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) 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, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	<b>Ideal- Low</b> No Comment required
Yellow	<b>Medium to Low</b> No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	<b>Moderate</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	<b>Problematic (Red): Target for Phase</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements

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	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Material: PVC							
PVC Resin	Binder	30-50%	IARC 3				The hazard of IARC Cat. 3 relates to the PVC monomer, which is usually completely converted in the polymerisation process. It is possible that extremely small quantities of unreacted monomer may remain but as a Level 3 hazard, users are unlikely to be exposed to even minor risk.  Recycled Content: None Nanomaterials: None
Material: Limestone							
Calcium Carbonate	Filler	20-40%	None				Recycled Content: None Nanomaterials: Unknown
Material: Dioctyl Terephthalate							

DOTP	Plasticiser	10-20%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Epoxidised Soybean Oil							
Expoxidised Soybean Oil	Plasticiser/stabiliser	0.1-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Process Agent- stabiliser							
Triisotridecyl phosphate	PVC Stabiliser	0.1-5%	Skin sens. 1, Aquatic Chronic 4				The occupants are only exposed to the upper wear layer. The stabiliser is fully bound into the polymer matrix and cannot be contacted by users. Therefore, there is no risk for users and little to extremely little exposure potential for installers.  Recycled Content: No Nanomaterials: Unknown
Proprietary	Stabiliser	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Zinc Dibenzate	Heat Stabiliser	0.1-1%	Aquatic Acute 1, Aquatic Chronic 2, Eye Dam 1, Eye Irrit 2				The occupants will only be in contact with the upper wear layer, and the stabiliser is not directly in contact with the occupants. Therefore it is not expected to be harmful to the end users Recycled Content: Unknown Nanomaterials: Unknown
Unknown Powder	Stabiliser	0.1-1%	Skin Sense 1, Eye Dam 1, Skin Irrit 3, RE STOT 3				The occupants will only be in contact with the upper wear layer, and the stabiliser is not directly in contact with the occupants. Therefore it is not expected to be harmful to the end users Recycled Content: Unknown Nanomaterials: Unknown
Material: Pigment- white							
Titanium dioxide	Pigment	0.1-1%	IARC 2B, Carc 2B				Titanium Dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as the substance is embedded in the product, the hazards will not be present in the final product. Therefore, it is not expected to cause harm to the users.  Recycled Content: No Nanomaterials: Yes
Silicon dioxide	Pigment	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Aluminium hydroxide	Extender, Stabiliser	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Pigment- red							
Pigment Red 214	Pigment	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Pigment- yellow							
Pigment Yellow 180	Pigment	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Pigment- blue							
Pigment Blue	Pigment	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown

**Comments:**

VOC emissions: SCS Global Services Floorscore- Indoor Air Quality Certified for low VOC emission.

VOC content: Not applicable.