

PHD™

Product Health Declaration



Olmurtech X-Tack

X-Tack is a high tack instant grab MS Polymer adhesive. X-Tack maintains control of assemblies without the need for clamps, screws, or temporary supports while curing. X-Tack is free from phthalates, solvents, isocyanates, does not attack synthetic materials and is odourless which makes it safe to use in confined spaces. X-Tack can be used on common building materials and in a wide range of applications. X-Tack remains permanently elastic making it vibration, impact, and shock resistant. 100% waterproof assembly which is also bacteria, fungus, UV resistant and paintable.

| | |
|---------------------------------|---|
| Products/Ranges: | X-Tack |
| Product Stages Assessed: | Material inputs, Manufacturing, in-use |
| Product Type: | Adhesive and Sealant |
| CSI Masterformat: | TBC |
| Licenced Site/s: | Olen, Belgium |
| Licence Number: | OLM:XT01:2022:PH |
| Licence Date: | 29th March 2022 |
| Valid To: | 29th March 2024 |
| Standard: | GGT International v4.0 |
| Screening Date: | 4th February 2022 |
| PHD URL: | https://www.globalgreentag.com/getfile/13050/phd.pdf |

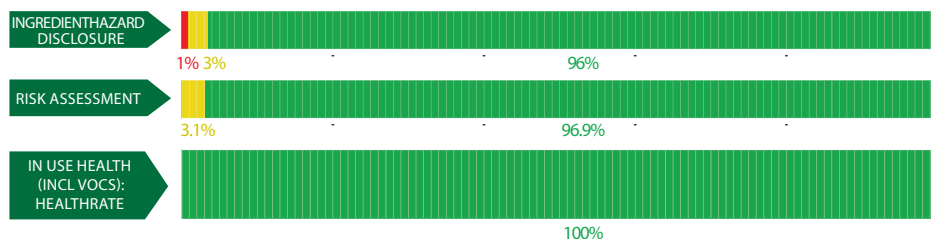


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|----------------------------------|-----------------------------|--------------------------|
| PHD Summary | Inventory Threshold: | Inventory Method: |
| Percentage Assessed: 100% | 100ppm Product Level | Nested Materials |

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED® Material Transparency & Optimization credits included below:
- Meets Green Star® 'Buildings v1.0' as a Compliant Technical Document (Audited) for ~ Credit 13: Exposure to Toxins, and 'Design & As Built v1.3' and 'Interiors v1.3' ~ Indoor Pollutants.
- Meets IWBI® WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 04 (Part 2) , and, meets IWBI® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X06 (Part 1); 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.
- Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

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

ASSESSMENT:



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 v1.0/1.1, and 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 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 |
|---|------------------------|--------------------------------|---|------------------|-----------------------|--------------------------|--------------------------|--|
| Trimethoxyvinylsilane | Drying agent | 0.1-1.0% | H226(Flam. Liq. 3) H332(Acute Tox. 4) H317(Skin Sens. 1B) | OK | | | | The substance is a flammable liquid and vapour and is harmful if inhaled and may cause an allergic skin reaction. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| 3-(Trimethoxysilyl)propylamine | Adhesion promoter | 0.1-1.0% | H315(Skin Irrit. 2) H318(Eye Dam. 1) | OK | | | | The substance causes severe skin burns and eye damage. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| N-(3-(Trimethoxysilyl)propyl) ethylenediamine | Adhesion promoter | 0.25-0.50% | H335(STOT SE 3) H318(Eye Dam. 1) H317(Skin Sens. 1B) | OK | | | | This substance causes serious eye damage, is harmful if inhaled and may damage organs through prolonged or repeated exposure, may cause skin reactions and respiratory irritation. However, the manufacturer of the product operates under an Occupational Health and Safety System and Environmental Management System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate | UV-Stabilizer | 0.01-0.1% | H411(Aquatic Chronic 2) H318(Eye Dam. 1) H400(Aquatic Acute 1) H361(Repr. 2) | OK | | | | The substance is very toxic to aquatic life, is toxic to aquatic life with long lasting effects, causes serious eye damage and is suspected of damaging fertility or the unborn child. However, the manufacturer of the product operates under an Occupational Health and Safety System and Environmental Management System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| Dioctyltin oxide | Catalyst | <0.25% | H371(STOT SE 2) | OK | | | | Recycled Content: None Nanomaterials: No |
| Silane Modified Polymers | Base material | 20-65% | None | OK | | | | Recycled Content: None Nanomaterials: No |
| Calcium carbonate | Filler | 40-60% | None | OK | | | | Recycled Content: None Nanomaterials: No |
| Poly[oxy(methyl-1,2-ethanediy)] α -butyl- ω -hydroxy- | Plasticizer | 1-10% | None | OK | | | | Recycled Content: None Nanomaterials: No |

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|-----------------------------|---------|----------|--------------------------|----|--|---|--|---|
| Titanium dioxide | Pigment | 2.0-5.0% | None | OK |  |  |  | The classification of TiO2 as a suspected carcinogen by inhalation (Commission Regulation (EU) 2020/217) came into enforcement from 1st October 2021. The classification applies to TiO2 in powder form, containing 1% or more of particles with aerodynamic diameter less than 10 microns. However, Novatech's suppliers declared that all their pigment grade TiO2 contain less than 1% of particles with aerodynamic diameter less than or equal to 10 microns by using international recognized test method EN15051-2. Therefore, based on the testing and no further guidance from EU Commission, the TiO2 do not meet the criteria for classification as Category 2 suspected carcinogen by route of inhalation. In addition, TiO2 is delivered to site in bound state and does not constitute a risk at any level to adhesive or building users. |
| Carbon Black | Pigment | 2.0-5.0% | None | OK |  |  |  | Recycled Content: None Nanomaterials: No |
| Diiron trioxide | Pigment | <0.5% | H411 (Aquatic Chronic 2) | OK |  |  |  | The substance is toxic to aquatic life with long lasting effects. However, the manufacturer of the product operates under Environmental Management System and therefore risk is considered low. The pigment is presented in the bound state, it does not cause harm to the end users. |
| Iron hydroxide oxide yellow | Pigment | <0.5% | None | OK |  |  |  | Recycled Content: None Nanomaterials: No |

Comments:

VOC Content : Sum of VOC (TVOC) was tested below 0.005mg/m3 which is below the limit value. The test was conducted by Eurofins on 26th February 2020.