

PRIMO PLUS RANGE

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|------------------------|---|
| Issued to: | TARKETT |
| Product specifications | Centra, Norma, Eclipse Premium, Contract Plus, Primo Premium, Primo SD, Primo SafeT, Standard Plus 1.5, Standard Plus 2.0, Vylon Plus |
| Issue date: | May 6 th , 2021. Reprint September 3 rd , 2021 |
| Expiration date: | May 5 th , 2023 |
| Evaluation threshold: | At least 100 ppm of the final product |
| After-use scenario: | TARKETT ReStart® Program |
| EPEA Registry No: | 40540 |

MHS Version: 2.0

| FUNCTION | CHEMICALS | CAS | CONTENT | EPEA RATING | COMMENT | GS-LT GS-BM ^(b) | REACH |
|--------------|--|---------------|---------|--|--|----------------------------|-------|
| PVC | PVC | 9002-86-2 | <40% | | Transitional use of PVC is tolerated in durable applications designed with good materials and a collection and recycling program in place ^(a) . Vinyl chloride content is below 1 ppm in purchased products. Tarkett proposes to take back your installation residues and your products after use, thanks to the ReStart® program. Check Tarkett national websites for Restart program availability. | LT-P1 | ✓ |
| | Polymerisation additives | Proprietary 3 | <0,4% | | | N.I. | ✓ |
| Fillers | Dolomite | 7000-29-5 | <45% | | Fillers consist of different pulverized stones of virgin origin. Natural minerals with low levels of quartz. No concern in the finished product. | LT-UNK | ✓ |
| | Calcium carbonate | 471-34-1 | | | | LT-UNK | ✓ |
| | Crystalline silica - Quartz type | 1317-95-9 | | | | LT-1 | ✓ |
| | Iron oxide | 1309-37-1 | | | | BM1 | ✓ |
| | Proprietary | Proprietary 2 | | | | N.I. | ✓ |
| Plasticizers | 1,2-Cyclohexanedicarboxylic acid, 1,2-diisobutyl ester (DINCH) | 166412-78-8 | <12% | | Alternative to phthalate plasticizers. DINCH is produced by hydrogenation of DINP with thus modified properties. Small amount of the synthesis impurity MINCH. No concern. | LT-UNK | ✓ |
| | 1,2-Cyclohexanedicarboxylic acid, 1-methyl, 2-isobutyl ester (MINCH) | Not available | | | | N.I. | |
| Pigments | Titanium Dioxide | 13463-67-7 | <2,5% | | Potential health issue related to dust inhalation during production of titanium dioxide. No concern in the finished product. Chlorinated and copper containing pigments are not recommended in the context of PVC. | LT-1 | ✓ |
| | Carbon Black | 1333-86-4 | | | | BM1 | ✓ |
| | Pigment Blue 29 | 1302-83-6 | | | | LT-UNK | ✓ |
| | Pigment Yellow 110 | 5590-18-1 | | | | LT-P1 | ✓ |
| | Pigment Red 254 | 84632-65-5 | | | | LT-UNK | ✓ |
| | Pigment Blue 15 | 147-14-8 | | | | LT-UNK | ✓ |
| | Pigment Red 144 | 5280-78-4 | | | | LT-UNK | ✓ |
| | Pigment Blue 15:1 | 12239-87-1 | | | | LT-UNK | ✓ |
| | Pigment Green 7 | 1328-53-6 | | | | LT-UNK | ✓ |
| | Pigment Yellow 95 | 5280-80-8 | | | | LT-P1 | ✓ |
| | Aluminium | 7429-90-5 | | | | BM1 | XVII |
| | Silicon dioxide | 15468-32-3 | | | | LT-1 | ✓ |
| | Aluminium trihydrate | 1333-84-2 | | | | BM2 | ✓ |
| | Zirconium dioxide | 1314-23-4 | | | | LT-UNK | ✓ |
| | Aluminum phosphate | 7784-30-7 | | | | LT-UNK | ✓ |
| | Proprietary | Proprietary 3 | | | | N.I. | ✓ |

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|-------------------|-------------------------|---------------|---------|-------------|---|----------------------------|-------|--|--|--|
| Stabilizers | Soybean oil, epoxidized | 8013-07-8 | <5% | | Ca/Zn-based heat stabilization system. ESBO has a plasticizing effect and scavenges hydrochloric acid which may be formed during the flooring use period. | LT-P1 | ✓ | | | |
| | Proprietary | Proprietary 2 | | | | LT-P1 | ✓ | | | |
| | | | | | | LT-UNK | ✓ | | | |
| Surface Treatment | Acrylic copolymer | 977111-13-9 | <0,3% | | Complex coating macropolymer based on polyurethane acrylate and other chemistry that is UV cured during application. Monomers have thus lost properties and don't contribute emissions as verified by analysis. | N.I. | ✓ | | | |
| | Proprietary | Proprietary 2 | | | | BM3 | ✓ | | | |
| | | | | | | N.I. | ✓ | | | |

THEREOF:

| | | | |
|--|---|------|--|
| Content sourced from abundant minerals | | 65% | Calcium carbonate and the chlorine part of PVC are most predominant contributors to this figure. |
| Recycled content | - Internal post-industrial source (Reprocessed own production output) | - | The Primo Plus Range is produced exclusively with primary resources. |
| | - Post-installation | 25% | |
| | - Post-use source | 0.5% | |
| Biologically renewable content | - Animal | - | No chemical with a possible animal origin is identified. |
| | - Vegetal | 1% | One of the stabilizers is of vegetal origin and the only source identified. |

EPEA's rating methodology is based on the Cradle-to-Cradle approach with the European Precautionary principle. It is made in relation with a quality target, an after-use scenario and on the background of the specific supply chain materials used by the article's manufacturer. The assessment of hazard/safety properties of chemicals is made at the best of our knowledge at the date of MHS™ issue (see further [MHS Development Guidance V2.0](#)). EPEA believes the data forth herein are accurate as of the date hereof. EPEA makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

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Dr. Alain Rivière
Scientific Supervisor



PART OF DREES & SOMMER

Legend:

| EPEA RATING: | REACH compliance: | GS-LT ^(b) | GS- BM ^(b) |
|--|--|--|---|
| No concern | ✓: Substance is listed neither in Annex XIV nor in Annex XVII nor as SVHC and complies with European Union Regulation EC 1907/2006 applicable to this article. | LT-1: Chemical is found on an authoritative list of the most-toxic chemicals | BM1: Avoid: Chemical of High Concern |
| Moderate concern | | LT-P1: Chemical may be a serious hazard, but the confidence level is lower | BM2: Use but search for Safer Substitutes |
| High concern – Task for material optimization | XVII or XIV: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article | LT-UNK: Unknown (no data on List Translator Lists) | BM3: Use but still opportunity for improvement |
| Unknown concern - Task for knowledge development | SVHC: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1% - : Not applicable due to missing CAS | | BM4: Prefer: Safer Chemical BMU: "Unspecified"; insufficient data N.I. (No GS rating): Chemical is not listed in the source of GS and GS-LT ratings |

(a) Please refer to [EPEA's position on PVC and chlorine management](#)

(b) GreenScreen List Translator Score and GreenScreen Benchmark Score according to [Toxnot](#)

Proprietary 1, 2 or 3: Distinguishing between owners of information (see [MHS Development Guidance V2.0](#))