KRION™ PORCELANOSA SOLID SURFACE by SYSTEM-POOL S.A.

Health Product Declaration v2.1

CLASSIFICATION: 06 61 16 Solid Surfacing Fabrications; 12 36 61.16 Solid Surfacing Countertops; 12 50 00 Furniture; 10 20 00 Interior Specialties; 12 34 19 Manufactured Solid Surface Casework; 09 75 23 Simulated Stone Wall Facing

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Krion™ Porcelanosa Solid Surface is a pleasant and soft touch material similar to natural stone. It is made of two-thirds natural minerals (ATH – aluminium trihydrate) and a low percentage of high-resistance resins. This composition gives Krion™ a number of exclusive features: it does not have any pores, it is hard-wearing, highly resistant and easy to repair, only requires minimum maintenance and is easy to clean. In addition, photocatalytic properties can be found in Krion™ throughout the whole of the sheets using Krion™ Eco-Active Solid Technology™, properties that are certified as complying with the ISO 22197 (Air Purification), ISO 27447 (Antibacterial), ISO 10678 (Chemical products degradation) and ISO 27448 (Self-cleaning performance) Standards. Krion™ is a material that can be cutted in a similar way to wood, allowing us to cut the sheets, connect them and thermoform them to create curved sections. Also can even be casted during the production process obtaining shapes (sinks, wash basins...), making it possible to create different designs and projects that are impossible to achieve with other materials. Krion™ has been rated according to EN-13501-1:2003 Fire Standard obtaining a Euroclass B S1 d0 and unrestricted B1 rating in accordance with the DIN 4102. It has been declared nontoxic by external laboratories and certified in Greenguard Gold by UL, ANSI 51 Food Equipment Materials by NSF, REACH by SGS and BPA Free among others.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- ○ Nested Materials Method
- ◉ Basic Method

Threshold Disclosed Per
- ○ Material
- ◉ Product

Threshold level
- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ○ Per OSHA MSDS
- ○ Other

Residuals/Impurities
- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

Explanation(s) provided for Residuals/Impurities?
- ◉ Yes ○ No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? ◉ Yes ○ No

Screened
Using Priority Hazard Lists with Results Disclosed? ◉ Yes ○ No

Identified
Name and Identifier Provided? ○ Yes ◉ No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | **SUBSTANCE** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

KRION® PORCELANOSA SOLID SURFACE [ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) BM-2 | RES METHYL METHACRYLATE (METHYL METHACRYLATE) LT-P1 | SKI | RES | END | PHY POLYMETHYL METHACRYLATE (PMMA) (POLYMETHYL METHACRYLATE (PMMA)) LT-P1 | RES N-BUTYL METHACRYLATE (N-BUTYL METHACRYLATE) LT-UNK | EYE | SKI 2-METHYLPROPYL2-METHYL-2-PROPENOATE (2-METHYLPROPYL2-METHYL-2-PROPENOATE) LT-UNK | EYE | SKI | AQU CARBON BLACK (CARBON BLACK) LT-1 | CAN IRON HYDROXIDE OXIDE YELLOW (IRON HYDROXIDE OXIDE YELLOW) LT-UNK TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END FERRIC OXIDE (FERRIC OXIDE) BM-2 | CAN IRON OXIDE BLACK (IRON OXIDE BLACK) LT-UNK BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE) BM-3 UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-P1 UNDISCLOSED NoGS | | SKI UNDISCLOSED LT-UNK]

Number of Greenscreen BM-4/BM3 contents..... 1
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This disclosure icludes ingredients at the 1,000 ppm thereshold. Exact ingredient percentages are withheld as System-Pool, S.A 's Intellectual Property.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified
Recycled content: SCS Recycled Content Certification - Recycling Programs
Recycled content: SCS Recycled Content Certification - Recycling Programs
Recycled content: SCS Recycled Content Certification - Recycling Programs

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-11-08
PUBLISHED DATE: 2017-11-09
EXPIRY DATE: 2020-11-08

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

KRION® PORCELANOSA SOLID SURFACE

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Krion™ is manufactured using mineral fillers and colorants encapsulated in resins and monomers. The polimerization of the acrylic resin gives, as finished form sheets, sinks or wash basins nontoxic to humans. This results are verified by different certifications like Greenguard Gold, NSF/ANSI 51 or Reach. Impurities present in raw materials has been taken into account based on supplier MSDS/SDS. System-Pool, S.A. only uses high purity raw materials in order to ensure the high-quality of its products and obtain the exclusive properties of Krion™.

OTHER PRODUCT NOTES: Residuals from Krion™ manufacturing can be reintroduced in production process. Material out of specifications, trimmings or wastes are milled and reused as decorative effects in new products. The result are four different series with recycling content certified by SCS Global Services. These series contains at minimum 6%, 12%, 20% and 40% in weight pre-consumer recycled materials, creating the Ecocycle™ process, meeting ISO 14021 Standard Type II environmental labelling requirements.

ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: **21645-51-2**

%: **60.0000 - 70.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Inert filler.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Aluminium trihydroxide, commonly known as aluminium trihydrate (ATH), is the main compound of the Krion™ formulation as a filler. ATH are natural compound with a high purity, nontoxic, high whitness, smoke suppressor, inert reactivity, halogen-free fire retardant... In combination with the acrylic part, generates the final Krion™ articles. In the final product, Krion is an acrylic based polymer without hazards for humans.

METHYL METHACRYLATE (METHYL METHACRYLATE)

ID: **80-62-6**

%: **5.0000 - 35.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Reactive monomer.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Monomers are the basic unit in the polymerization process. Meethyl methacrylate (MMA), the most important of the acrylic family, is a colorless organic compound essential in the production of polymethyl methacrylate products, As a main monomer of the Krion™ formulation, is the reactive compound present in the acrylic resin. In combination with other monomers, led to the final polymer composition and properties. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

POLYMETHYL METHACRYLATE (PMMA) (POLYMETHYL METHACRYLATE (PMMA))

ID: **9011-14-7**

%: **0.0000 - 20.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Acrylic Resin**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Polymethyl methacrylate is the resulting compound of the combination of methyl methacrylate monomer. This polymer is used as noncrosslinked compound to achieve the excellent properties of the final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

N-BUTYL METHACRYLATE (N-BUTYL METHACRYLATE)

ID: **97-88-1**

%: **0.0000 - 15.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reactive monomer.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: N-butyl methacrylate is an acrylic family reactive monomer. Monomers are the basic unit in the polymerization process, It is a colorless organic compound used a homopolymer. In combination with other monomers, led to the final polymer composition and properties. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

2-METHYLPROPYL2-METHYL-2-PROPENOATE (2-METHYLPROPYL2-METHYL-2-PROPENOATE)

ID: **97-86-9**

%: **0.0000 - 15.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reactive monomer.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Propanoate is an acrylic family reactive monomer. Monomers are the basic unit in the polymerization process. It is a colorless organic compound used as homopolymer. In combination with other monomers, led to the final polymer composition and properties. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

CARBON BLACK (CARBON BLACK)

ID: **1333-86-4**

%: **0.0000 - 3.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Carbon black is one of the most common pigments based on carbon. It is an excellent black coloring agent. Carbon black is a UV stabilizing agent to fix the final color properties. Pigments are essential for the aesthetic final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

IRON HYDROXIDE OXIDE YELLOW (IRON HYDROXIDE OXIDE YELLOW)

ID: **20344-49-4**

%: **0.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This commonly known hydrated iron oxide, is a natural mineral commonly used as pigment. These oxides provide a uniform and stable full shade of colors. Inorganic pigments are essential for the aesthetic final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: **13463-67-7**

%: **0.0000 - 3.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Titanium dioxide is the most widely used pigment due to the extremely white and bright final color. These oxides are present in several minerals. Due to the high stability, the final color of Krion™ articles are stable and homogeneous. Inorganic pigments are essential for the aesthetic final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

FERRIC OXIDE (FERRIC OXIDE)

ID: **1309-37-1**

%: **0.0000 - 3.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Pigment.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This iron oxide is derived from natural mineral with an excellent purity. These oxides provide a uniform and stable full shade of colors. Inorganic pigments are essential for the aesthetic final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

IRON OXIDE BLACK (IRON OXIDE BLACK)

ID: **12227-89-3**

%: **0.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This iron oxide is derived fromk natural mineral with an excellent purity. These oxides provide a uniform and stable full shade of colors. Inorganic pigments are essential for the aesthetic final Krion™ articles. In the final product, Krion™ is an acrylic based polymer without hazards for humans.

BIS(2-ETHYLHEXYL) TEREPHTHALATE (BIS(2-ETHYLHEXYL) TEREPHTHALATE)

ID: **6422-86-2**

%: **0.0000 - 1.5000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Carriers are used in order to disperse pigments or colorants. It is an easy way of adding pigments and colorants, besides eliminate inhalable dust hazard of these pigments or colorants. In the final product, Krion™ is an acrylic based polymer without hazard for humans.

UNDISCLOSED

%: **0.0000 - 0.7500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cure agent**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cure agents are compounds that through the generation of free radicals, carry out the polymerization of reactive monomers to produce the final polymer network. Cure agents are develop to enhance the final properties of Krion™ articles as final product. In the final product, Krion™ is an acrylic based polymer without hazard for humans.

UNDISCLOSED

%: **0.0000 - 0.7500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Additives are used in small quantities in order to give or improve some properties to the final product or modifying the intermediate properties helping the production process. In the final product, Krion is an acrylic based polymer without hazard for humans.

UNDISCLOSED

%: **0.0000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additives are used in small quantities in order to give or improve some properties to the final product or modifying the intermediate properties helping the production process. In the final product, Krion™ is an acrylic based polymer without hazard for humans.

UNDISCLOSED

%: **0.0000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Cross linker**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - GHS (H-Statements)	H320 - Causes eye irritation
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES: Cross-linking agents are an essential organic compound to achive the excellent final properties of Krion™. During the manufacturing process, these agents react with the monomers in order to create a continuous polymer network. In the final product, Krion™ is an acrylic based polymer without hazard for humans.

UNDISCLOSED

%: **0.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive with special properties related with the light, specially the UV radiation. This compound, with the assistance of the light,give to some final Krion article new, unique and enhanced properties. In the final product, Krion™ is an acrylic based polymer without hazard for humans.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL:
http://productguide.ulenvironment.com/ProductDetail.aspx?

ISSUE DATE:2012-09-07 EXPIRY DATE: 2018-09-07 CERTIFIER OR LAB: UL - Underwriters Laboratories

CERTIFICATION AND COMPLIANCE NOTES: This certificate, provided by UL - Underwriters Laboratories, ensures that Krion™ has not any significant impact on indoor air pollution levels. Greenguard Certification meet some of the most rigurous criteria helping reduce indoor pollution. Moreover, Krion™ has been certificate in Greenguard Gold, which includes additional chemicals and requires lower total VOC emissions level. In addition, Greenguard Gold certificate products must also comply with requirements of the State of California's Department of Public Health and BIFMA X7.1 Standard and BIFMA e3 credits 7.6.1, 7.6.2 and 7.6.3.

RECYCLED CONTENT **SCS Recycled Content Certification - Recycling Programs**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL:
https://www.scsglobalservices.com/certified-green-products-guide

ISSUE DATE:2017-02-10 EXPIRY DATE: 2018-03-31 CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: A prestigious certificate whose stipulations Krion™ complies with. It specifies that by reprocessing and recycling waste materials, the need for new raw materials is reduced. Minimum 6% Pre-Consumer Recycled Acrylic Content applies to select colors: Bright Concrete, Crystal White +, Dune Nature, Earth Nature, Marfil Nature, Polar Stone, White Nature, Iceberg White.

RECYCLED CONTENT **SCS Recycled Content Certification - Recycling Programs**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL:
https://www.scsglobalservices.com/certified-green-products-guide

ISSUE DATE:2017-02-10 EXPIRY DATE: 2018-03-31 CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: A prestigious certificate whose stipulations Krion™ complies with. It specifies that by reprocessing and recycling waste materials, the need for new raw materials is reduced. Minimum 12% Pre-Consumer

Recycled Acrylic Content applies to select colors: Ash Nature, Bright Rock, Camel Nature, Clear Nature, Crystal White, Grey Nature, Asteroid Cream.

RECYCLED CONTENT **SCS Recycled Content Certification - Recycling Programs**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide

ISSUE DATE:2017-02-10 EXPIRY DATE: 2018-03-31 CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: A prestigious certificate whose stipulations Krion™ complies with. It specifies that by reprocessing and recycling waste materials, the need for new raw materials is reduced. Minimum 20% Pre-Consume Recycled Acrylic Content applies to select colors: Asteroid Brown, Asteroid Dark, Asteroid Grey, Asteroid Mocha, Asteroid Taupe, Asteroid White, Camel Nature, Clear Nature, Crystal Black, Dark Copper, Deep Granite, Grey Gold, Sand Copper, White Copper.

RECYCLED CONTENT **SCS Recycled Content Certification - Recycling Programs**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide

ISSUE DATE:2017-02-09 EXPIRY DATE: 2018-03-31 CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: A prestigious certificate whose stipulations Krion™ complies with. It specifies that by reprocessing and recycling waste materials, the need for new raw materials is reduced. Minimum 40% Pre-Consumer Recycled Acrylic Content applies to select color: Bianco Classico, Marmo Bianco, Grafite Classico, Pietra, Concrete, Grigio Classico..

MANAGEMENT **ISO 9001:2008 Quality management systems**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL: http://www.sgs.es/es-es/certified-clients-and-products/certified-client-directory

ISSUE DATE:1998-02-01 EXPIRY DATE: 2018-07-18 CERTIFIER OR LAB: SGS

CERTIFICATION AND COMPLIANCE NOTES: Thanks to the implementation of a Quality Management System as per the UNE-EN ISO 9001 standard, the company demonstrates its ability to consistently provide products or services that meet the customer's requirements and the applicable regulations. The scope is design, developing and production of Solid Surface Materials for kitchen and bathroom furniture, shower trays, bathtubs and countertops. Also design and production of Krion™ Adhesives.

MANAGEMENT **ISO 14001:2004 Environmental management systems**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL: http://www.sgs.es/es-es/certified-clients-and-products/certified-client-directory

ISSUE DATE:2013-09-01 EXPIRY DATE: 2018-09-15 CERTIFIER OR LAB: SGS

CERTIFICATION AND COMPLIANCE NOTES: This standard offers the possibility of systematizing the environmental aspects generated in each of the activities carried out, in addition to promoting environmental protection and the prevention of pollution from a socio-economic balance point of view. The scope is design, developing and production of Solid Surface Materials for kitchen and bathroom furniture, shower trays, bathtubs and countertops. Also design and production of Krion™ Adhesives.

OTHER **ANSI/NSF 51-2012 Food equipment materials**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL: http://www.nsf.org/certified-products-systems

ISSUE DATE: 2013-11-25

EXPIRY DATE:

CERTIFIER OR LAB: NSF International

CERTIFICATION AND COMPLIANCE NOTES: NSF Certification (National Science Foundation), recognized body from the United States that acts in the issuance of health, hygiene, and environmental certificates, considers Krion™ as a safe material for its direct contact with all kinds of food, without posing any health risk.

OTHER

REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: System-Pool, S.A.
CERTIFICATE URL:

ISSUE DATE: 2016-05-12

EXPIRY DATE:

CERTIFIER OR LAB: SGS

CERTIFICATION AND COMPLIANCE NOTES: The REACH regulation is aimed at controlling chemical products that are manufactured or included as substances in mixes or end products in the EU. Its main goal is to safeguard human health and the environment. As part of its ongoing commitment to offer clients the best high-performance product on the market conspicuous for its quality while also caring for the environment, Krion™ has conducted tests to verify that none of the substances on the SVHC (Substances of Very High Concern) list, published by ECHA (European Chemicals Agency), are present in its formula. Krion™ complies with Article 7 “Registration & Notification of Substances Contained in Items” of the REACH Regulation and with the fact that it does not contain any SVCH in a concentration of over 0.1%.

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

KRION™ ADHESIVE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Krion™ Adhesive can be used for creating seamless sections with Krion™. Krion™ Adhesive is formulated with the latest technology for the surfacing industry and offers excellent bonding to solid surface substrates. Krion™ Adhesive, formulated with two components (Component A and Component B), has high resistance to water, scuffing and high temperatures and also possesses greater toughness and impact resistance than most other solid surface adhesives in the market. Fabricators will benefit from the environmental conformance properties of Krion™ adhesives as well. It is manufactured to the highest standard available and faces stringent quality control tests prior to sale and distribution. In addition, System-Pool, S.A. meets the requirements for Low VOC emission limits, certified by Greenguard. Krion™ Adhesive has been verified in order to demostrate that none of the substances on the SVHC (Substances of Very High Concern) list, published by ECHA (European Chemicals Agency), are present in its formula. Krion™ Adhesive complies with Article 7 “Registration & Notification of Substances Contained in Items” of the REACH Regulation and with the fact that it does not contain any SVCH in a concentration of over 0.1%. Additionally, the NSF food contact regulation certifies its use in surfaces in contact with food.

Section 5: General Notes

Krion™ Porcelanosa Solid Surface can be manufactured in the form of sheets, sinks, wash basins...It is composed by inert mineral, acrylic resins and colorants creating a new generation of solid surface able to improve the main properties of other products. Moreover, Krion™ has been certified by external laboratories in order to demostrate its characteristics as non

toxic, overcoming tests and certificates like REACH, Greenguard Gold, NSF, SCS...Furthermore, Krion™ helps meeting LEED V4 requirements creating new and more sustainable buildings. Krion™ Porcelanosa Solid Surface not only has been working directly on people's health, also has been working on environment. Certifications like SCS Recycling Content in four different series, reaching 40% of recycling content, Envoironmental Product Declaration according to ISO 14025 for Krion™ and ISO 14001 certification for its facilities demostrates the compromise of System-Pool, S.A. with people and environment. Not only with Krion™, also Krion™ Adhesive has been certified in Greenguard Gold, NSF and Reach among others... In order to prevent workers who use Krion™, System-Pool, S.A has analyzed dust toxicity and smoke toxicity generated during trimming, cutting or milling. External laboratories has certified that there is no presence of silica in Krion™, breathable fraction is lower than workplace exposure limit (WEL) and emissions generated during cutting are not toxic. However, System-Pool, S.A. strongly recommends consulting Krion™ MSDS to solve any question about safety and health. System-Pool, S.A. through Porcelanosa Grupo is Global Compact signatory entity from 2015. This Global Compact collects 10 Principles referred to Human Rights, Labor, Environment and Anti-corruption. This commitment is communicated to all the stakeholders and anually revised in order to inform about the progress in the implementation of the 10 Principles.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **SYSTEM-POOL S.A.**
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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / **Material Threshold** Substances listed within each material per threshold indicated per material
Nested Method / **Product Threshold** Substances listed within each material per threshold indicated per product
Basic Method / **Product Threshold** Substances listed individually per threshold indicated per produc

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

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The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.