

HPD UNIQUE IDENTIFIER: 1261217792
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 10 21 16 Shower and Dressing Compartments
PRODUCT DESCRIPTION: Krion Shell® is an Engineered Mineral Composite intended for the manufacture of sustainable sanitary fittings, such as CE (EN 14527) and USA (CSA B45.5-17/IAPMO Z124-2017) certified shower trays; and CE (EN 14688) and USA (CSA B45.5-17/IAPMO Z124-2017) certified washbasins/countertops. It is a material which contains a minimum of 5% Recycled PET in its composition, accredited by SCS Global Services. Non-toxic and inert in compliance with REACH Regulation (Reg. (EC) 1907/2006), and Greenguard/Greenguard Gold criteria (UL 2818 and CDPH). Non-proliferation of bacteria (certified in accordance with regulation ISO 846), making it a hygienic and aseptic material. It is a material made of a surface layer covering, this covering gives it special technical and aesthetic characteristics suitable for the intended use. The body is made up of combined natural minerals, giving it great stability, hardness and resistance. Thus, the combination of these materials create an exclusive composition of the Engineered Mineral Composite allows the material to inherit the technical and aesthetic characteristics of the minerals, combining them with the technical characteristics of the polymers.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Basic Method	→ Completed	
Threshold Disclosed Per	Explanation(s) provided :	Characterized
→ Product	Yes	Provided weight and role.
Threshold Level		Screened
→ 1,000 ppm		Provided screening results using HPDC-approved methods.
		Identified
		Provided name and CAS RN or other identifier.

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
KRION SHELL® [CALCIUM CARBONATE BM-3 | EYE POLYESTER RESIN NoGS | MAGNESIUM CARBONATE BM-3dg | TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7) BM-1 | CAN | END | MAM 2-BUTANONE PEROXIDE LT-P1 | MAM | GEN | EYE | SKI | AQU | PHY UNDISCLOSED LT-UNK | MAM]

Number of Greenscreen BM-4/BM3 contents ... 2
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:

This disclosure includes ingredients at the 1,000 ppm threshold. Exact ingredient percentages are withheld as KRION SOLID SURFACE,S.A.U.'s Intellectual Property.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE See Section 3 for additional listings.
VOC emissions: UL/GreenGuard Gold Certified
Recycled content: SCS Recycled Content Certification - Recycling Programs
REACH Compliance: REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

KRION SHELL®

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: 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 SDS. KRION SOLID SURFACE, S.A.U. only uses high purity raw materials in order to ensure the high-quality of its products and obtain the exclusive properties of Krion Shell®.

OTHER PRODUCT NOTES: Manufactured with eco-resin (minimum 5% recycled PET plastic in each product).

CALCIUM CARBONATE				ID: 471-34-1	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 0:09:32		
%: 35.0000 - 80.0000	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
EYE	GHS - New Zealand		Eye irritation category 2		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Calcium carbonate is part of an inert filler mixture.					

POLYESTER RESIN				ID: 2620689-07-6	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 0:09:33		
%: 20.0000 - 40.0000	GreenScreen: NoGS	RC: PostC	NANO: No	SUBSTANCE ROLE: Binder	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Conforms to SCS Recycled Content Standard V7-0 for a Minimum 5% Post-Consumer Recycled PET Content. The material quantification and mass-balance calculations are completed on a dry-weight basis.					

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 0:09:35	
?: 0.0000 - 40.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Magnesium carbonate is part of an inert filler mixture.				

TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)

ID: 98084-96-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 0:09:36	
?: 0.0000 - 1.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	IARC	Group 2b - Possibly carcinogenic to humans		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products

SUBSTANCE NOTES: This pigment dispersion used as a colorant in the Krion Shell® manufacturing process has a glycol as a carrier (free of styrene).

2-BUTANONE PEROXIDE				ID: 1338-23-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-12-03 0:09:36	
%, 0.2000 - 0.4000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Initiator

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
GEN	GHS - Australia	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 2
SKI	GHS - New Zealand	Skin corrosion category 1B
SKI	GHS - Korea	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
MAM	GHS - Korea	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]
EYE	GHS - Korea	H318 - Causes serious eye damage [Serious eye damage/irritation - Category 1]
MAM	GHS - Japan	H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]
PHY	GHS - Japan	H241 - Heating may cause a fire or explosion [Organic peroxides - Type B]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials

SUBSTANCE NOTES: This substance is part of a mixture that initiates the polymerization reaction of the polyester resin, encapsulating every input of the whole Krion Shell® recipe.

UNDISCLOSED		ID: Undisclosed	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-12-03 0:09:34	
%: 0.0000 - 0.2500	GreenScreen: LT-UNK	RC: None	NANO: No
		SUBSTANCE ROLE: Carrier	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents
SUBSTANCE NOTES: Glycol used as a carrier of the pigmentary paste.		

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	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: UL - Underwriters Laboratories COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: KRION SOLID SURFACE, S.A.U. COMPLIANCE URL: https://www.ul.com/services/ul-greenguard-certification COMPLIANCE NOTES: This certificate, provided by UL - Underwriters Laboratories, ensures that Krion Shell® has not any significant impact on indoor air pollution levels. Greenguard Certification meet some of the most rigorous criteria helping reduce indoor pollution. Certificate Number 134313-420.	ISSUE DATE: 2018-12-21	EXPIRY DATE: 2026-07-09
RECYCLED CONTENT	SCS Recycled Content Certification - Recycling Programs	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SCS Global Services COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: KRION SOLID SURFACE, S.A.U. COMPLIANCE URL: https://es.scsglobalservices.com/certified-green-products-guide?q=KRION+SHELL COMPLIANCE NOTES: SCS Global Services does certify that an independent assessment has been conducted on behalf of: KRION SOLID SURFACE S.A.U. For the following product(s): Building and Construction Products/Plumbing: Shower Trays: KRION Shell SLOPE, KRION Shell LINE, KRION Shell FLOW, KRION Shell FLOW TF, KRION Shell SLOPE TF Bathroom Sinks: KRION Shell ELEMENT, KRION Shell ONE, KRION Shell SPIRIT, KRION Shell NATURAL The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s): SCS RECYCLED CONTENT CERTIFIED Conforms to SCS Recycled Content Standard V7-0 for a Minimum 5% Post-Consumer Recycled PET Content. Certificate Number: SCS-RC-05297	ISSUE DATE: 2025-05-01	EXPIRY DATE: 2026-03-31
REACH COMPLIANCE	REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals	

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SGS

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: KRION SOLID SURFACE,
S.A.U.

COMPLIANCE URL:

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 Shell® 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 Shell® 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%. Certificate Number: T31820301478SC-01 y T31820301601SC-01.

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.

No accessories are required for this product.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: **KRION SOLID SURFACE S.A.U.**
ADDRESS: **Ctra. Villarreal - Puebla de Arenoso (CV-20) Km. 1**
Vila-real, Castellón 12540
COUNTRY: **Spain**

WEBSITE: **<http://www.krion.com/en/>**
CONTACT NAME: **Vicente Serrano Font**
TITLE: **Technical Manager**
PHONE: **964 50 64 64**
EMAIL: **vserrano@krion.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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 product

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

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.