

**Name**

Radianz® Quartz Surfaces

**Product ID****Classification**

12 36 61.00 Furnishings: Simulated Stone Countertops

**Website**

www.staron.com

**Manufacturer**

Lotte Advanced Materials Co., Ltd.

**Address**

6 Centerpointe Dr. Suite #100

La Palma, CA 90623

**Contact Name**

Daniel Hong

**Title**

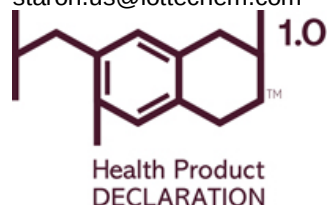
TS Manager

**Phone**

1-800-795-7177

**Email**

staron.us@lottechem.com

**Description**

Radianz® is comprised of natural quartz, unsaturated polyester resins and mineral pigments fused together by a precision compression molding process to create a high-quality product. Natural quartz with purity of 99.9% is the main component which results in a non-porous and ultra-durable material that is ideal for countertops, kitchen systems, furniture, wall-cladding and various other interior finishes. Enhance your kitchen environment with the sophistication of Radianz colors. Manufacturer of Radianz®, Lotte Advanced Materials Co., Ltd., is committed to be the "Green Movement" and is constantly striving to improve the environment and keep our nature pristine. There are no heavy metals or toxic chemicals used in the production of Radianz®. All suppliers of the raw materials used in the manufacture of Radianz® are supervised under a strict Lotte quality control program.

**Release Date**

2016-06-10

**Expiry Date**

2019-06-10

**HPD URL**

<https://builder.hpd-collaborative.org/uploads/files/hpds/1179/3727-20160610193338.pdf>

☒ Self-declared

☐ Second Party ☐ Third Party

**Certifier****Certificate #****SUMMARY DISCLOSURE**

The content of this product was assessed for health hazard warnings as required using Pharos

**Residuals Disclosure**

☐ Measured 100 ppm (ideal) ☐ Measured 1000 ppm ☐ Predicted by process chemistry ☒ As per MSDS (1,000 & 10,000 ppm) ☐ Not disclosed ☐ Other

**Full Disclosure of Intentional Ingredients**

☐ Yes

☒ No

**Full Disclosure of Known Hazards**

☐ Yes

☒ No

**Disclosure Notes****Contents in Descending Order of Quantity**

QUARTZ , Undisclosed (Unsaturated Polyester Resin)

**Hazards**

**Highest concern GreenScreen score** - List Translator Benchmark 1  
☐ PBT (Persistent Bioaccumulative Toxic) ☒ Cancer ☐ Gene Mutation  
☐ Development ☐ Reproductive ☐ Endocrine ☐ Respiratory  
☐ Neurotoxicity ☐ Mammal ☐ Skin or Eye ☐ Aquatic toxicity  
☐ Land toxicity ☐ Physical hazard ☐ Global warming ☐ Ozone depletion  
☐ Multiple ☒ Unknown

---

**Total VOC Content**  
**Material (g/L)**

N/A

**Regulatory (g/L)**  
N/A

**Does the product contain exempt VOCs?**  
☒ N/A  
☐ Yes  
☐ No

**Are there VOC-free tints available?**  
☒ N/A  
☐ Yes  
☐ No

**Notes**

---

**Certifications + Compliance**  
**VOC Emissions**  
GreenGuard - Gold (previously Children & Schools)  
**VOC Content**  
N/A  
**Recycled Content**  
SCS Recycled Content Certification - Products

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists). **GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A			Warning A			
Hazard B			Warning B			
Hazard C			Warning C			
Hazard D			Warning D			
Hazard E			Warning E			
Notes						
QUARTZ	14808-60-7	80 - 95 %	LT-1	U	N	Filler
CANCER	IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)					
The material inputs for Radianz® product are reacted in the manufacturing process preventing any exposure of health hazards of the final product. Radianz® products have earned GREENGUARD® and GREENGUARD® GOLD certifications as low-emitting interior building products, which ensures that the products comply with strict chemical and particle emission criteria for indoor air quality.						
Undisclosed (Unsaturated Polyester Resin)	Undisclosed	0 - 7 %		N	N	Binder
Unknown	Not disclosed					
The material inputs for Radianz® product are reacted in the manufacturing process preventing any exposure of health hazards of the final product. Radianz® products have earned GREENGUARD® and GREENGUARD® GOLD certifications as low-emitting interior building products, which ensures that the products comply with strict chemical and particle emission criteria for indoor air quality.						

CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).  
**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification		Certifier or Laboratory	
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Notes
VOC Emissions	GreenGuard - Gold (previously Children & Schools)		GreenGuard Environmental Institute (GEI)	
	3rd party independent certification	2007-09-18	2016-09-18	<a href="http://productguide.ulenvironment.com/ProductDetail.aspx?productID=6410&amp;BrandID=487">productguide.ulenvironment.com/ProductDetail.aspx?productID=6410&amp;BrandID=487</a>
	All			
	Please visit the website link for the latest up-dated certification information.			
	N/A			
VOC Content				
Recycled Content	SCS Recycled Content Certification - Products		SCS Global Services	
	3rd party independent certification	2015-08-01	2016-07-31	<a href="http://www.scsglobalservices.com/certified-green-products-guide">www.scsglobalservices.com/certified-green-products-guide</a>
	All			
	Please visit the website link for the latest up-dated certification information.			

Other

---

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

**Required or Recommended Product URL for Companion Health Product Declaration**

**Condition when required or recommended and/or other notes**

---

**NOTES**

There are no heavy metals or toxic chemicals used in the production of Radianz®. All suppliers of the raw materials used in the manufacture of Radianz® are supervised under a strict Lotte quality control programme. Materials are inspected by both internal/external examining bodies RoHS (Restricting the use of Hazardous Substances) and NSF (National Sanitation Foundation, USA) ensuring that Radianz® manufacturing meets the environmental standards required.