



**Corian® Quartz Surfaces previously known as Zodiaq® Quartz Surfaces**

Version 5.2

Issue Date : 09/26/2019 Ref. 130000000849  
 Revision Date : 12/17/2018

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Corian® Quartz Surfaces previously known as Zodiaq® Quartz Surfaces  
 Product Use : sheets/slabs, For professional users only.

Restrictions on use : Do not use product for anything outside of the above specified uses.  
 Manufacturer/Supplier : DuPont  
 974 Centre Road  
 Wilmington, Delaware 19805

Product Information : 1-302-774-1000  
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
 Transport Emergency : +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

**Product hazard category**

Combustible dust  
 Skin sensitisation Category 1  
 Carcinogenicity Category 1A  
 Specific target organ toxicity - repeated exposure Category 1

**Label content**

Pictogram :



Signal word : Danger



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Issue Date : 09/26/2019 Ref. 130000000849  
 Revision Date : 12/17/2018

**Hazardous warnings** : May form combustible dust concentrations in air.  
 May cause an allergic skin reaction.  
 May cause cancer.  
 Causes damage to organs through prolonged or repeated exposure. (Lungs)

**Hazardous prevention measures** : Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 Wash skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF exposed or concerned: Get medical advice/ attention.  
 If skin irritation or rash occurs: Get medical advice/ attention.  
 Wash contaminated clothing before reuse.  
 Store in a secure area.  
 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

The product as such is not hazardous.  
 The hazards of this product are associated mainly with its processing.  
 Operations such as sawing, routing, drilling and sanding can generate dust.  
 Dust generated during handling of Quartz Surfacing Products can contain particles of crystalline silica (quartz).  
 Overexposure to airborne quartz can cause silicosis.  
 The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 100 %

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
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Ref. 130000000849

Quartz	14808-60-7	40 - 95 %
Cristobalite	14464-46-1	40 - 50 %

The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

General advice : Never give anything by mouth to an unconscious person.

Inhalation : Move to fresh air.

Skin contact : No applicable data available.

Eye contact : No applicable data available.

Ingestion : Not applicable

Most important symptoms/effects, acute and delayed : Symptoms of silicosis include coughing, difficulty breathing, wheezing and progressive impairment of lung function.

Protection of first-aiders : No applicable data available.

Notes to physician : No applicable data available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : No applicable data available.

Specific hazards : No applicable data available.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**Corian® Quartz Surfaces previously known as Zodiaq® Quartz Surfaces**

Version 5.2

Issue Date : 09/26/2019 Ref. 130000000849  
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Further information : No applicable data available.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Wear personal protective equipment.

Environmental precautions : Not applicable

Spill Cleanup : Not applicable

Accidental Release Measures : No applicable data available.

**SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. Handling and processing operations should be conducted in accordance with best practices (e.g.NFPA-654). Wash hands before breaks and at the end of workday.

Handling (Physical Aspects) : No applicable data available.

Dust explosion class : No applicable data available.

Storage : None.  
No special restrictions on storage with other products.

Storage period : No applicable data available.

Storage temperature : No applicable data available.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment



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Version 5.2

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Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection : Additional protection: Protective gloves

Eye protection : Safety glasses

Exposure Guidelines  
 Exposure Limit Values

<b>Quartz</b>			
Permissible exposure limit:	(OSHA)	0.05 mg/m <sup>3</sup>	8 hr. TWA
Permissible exposure limit:	(OSHA)	2.4 millions of particles per cubic foot of air	TWA
Permissible exposure limit:	(OSHA)	0.1 mg/m <sup>3</sup>	TWA
Permissible exposure limit:	(OSHA)	0.05 mg/m <sup>3</sup>	TWA
TLV	(ACGIH)	0.025 mg/m <sup>3</sup>	TWA
AEL *	(DuPont)	0.01 mg/m <sup>3</sup>	12 hr. TWA
AEL *	(DuPont)	0.02 mg/m <sup>3</sup>	8 hr. TWA

<b>Cristobalite</b>			
Permissible exposure limit:	(OSHA)	0.05 mg/m <sup>3</sup>	8 hr. TWA
Permissible exposure limit:	(OSHA)	1.2 millions of particles per cubic foot of air	TWA
Permissible exposure limit:	(OSHA)	0.05 mg/m <sup>3</sup>	TWA
Permissible exposure limit:	(OSHA)	0.05 mg/m <sup>3</sup>	TWA
TLV	(ACGIH)	0.025 mg/m <sup>3</sup>	TWA
AEL *	(DuPont)	0.01 mg/m <sup>3</sup>	12 hr. TWA
AEL *	(DuPont)	0.02 mg/m <sup>3</sup>	8 hr. TWA

<b>Octabenzene</b>			
No applicable data available.			

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are

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Version 5.2

Issue Date : 09/26/2019  
Revision Date : 12/17/2018

Ref. 130000000849

lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state : solid  
Form : solid  
Color : various

Odor : none

Odor threshold : No applicable data available.

pH : No applicable data available.

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

Flash point : does not flash

Evaporation rate : No applicable data available.

Flammability (solid, gas) : May form combustible dust concentrations in air.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Density : 2.2 - 2.4 g/cm<sup>3</sup>

Specific gravity (Relative density) : No applicable data available.

Water solubility : insoluble

Solubility(ies) : No applicable data available.



## Corian® Quartz Surfaces previously known as Zodiaq® Quartz Surfaces

Version 5.2

Issue Date : 09/26/2019 Ref. 130000000849  
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Partition coefficient: n-octanol/water : No applicable data available.

Auto-ignition temperature : No applicable data available.

Decomposition temperature : No applicable data available.

Viscosity, kinematic : No applicable data available.

Viscosity, dynamic : No applicable data available.

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No applicable data available.

Chemical stability : No applicable data available.

Possibility of hazardous reactions : None reasonably foreseeable.

Conditions to avoid : None reasonably foreseeable.

Incompatible materials : No applicable data available.

Hazardous decomposition products : Other decomposition products: No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Quartz

Oral LD50 : > 11,000 mg/kg , Rat  
 Bloody nasal discharge  
 Weight loss

Skin irritation : No skin irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Skin sensitization : Does not cause skin sensitisation., Guinea pig

Repeated dose toxicity : Inhalation  
 Rat  
 -  
 Target Organs: Lungs



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Version 5.2

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 Revision Date : 12/17/2018

Fluid retention in lungs (pulmonary oedema), lung effects, Inflammation, Chronic lung disease, Fibrosis

**Carcinogenicity** : Human carcinogen.  
 An increased incidence of tumours was observed in laboratory animals.  
 An increased risk of cancer in humans has been shown in workplace-based studies.

**Cristobalite**

**Repeated dose toxicity** : Inhalation  
 Rat  
 - 90 d  
 dust/mist  
 Target Organs: Lungs  
 Respiratory effects

**Carcinogenicity** : Positive evidence from human epidemiological studies  
 An increased risk of cancer in humans has been shown in workplace-based studies.  
 Target(s):  
 Lungs

**Mutagenicity** : Weight of evidence does not support classification as a germ cell mutagen.  
 Overall weight of evidence indicates that the substance is not mutagenic.

**Carcinogenicity**

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

Material	IARC	NTP	OSHA
Quartz	1	X	X
Cristobalite	1	X	X



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Ref. 130000000849

**SECTION 12. ECOLOGICAL INFORMATION**

## Aquatic Toxicity

## Cristobalite

96 h LC50 : Danio rerio (zebra fish)  
Aquatic toxicity is unlikely due to low solubility.48 h EC50 : Daphnia magna (Water flea)  
Aquatic toxicity is unlikely due to low solubility.

## Environmental Fate

## Cristobalite

Bioaccumulation : Bioaccumulation is unlikely.

Additional ecological information : This product has no known ecotoxicological effects.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal methods - Product : Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging : Empty containers should be taken to local recyclers for disposal.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

HSNO (NZ) Status : Exempt

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- SARA 311/312 Hazard classification : Combustible dust  
Respiratory or skin sensitisation  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)
- SARA 313 Regulated Chemical(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):  
Quartz, Cristobalite
- NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Quartz, Cristobalite
- California Prop. 65 : This product can expose you to substances including Quartz, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16. OTHER INFORMATION**

Before use read DuPont's safety information.

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