



Corian® Quartz Surfaces previously known as Zodiaq® Quartz Surfaces

Version 5.2

Issue Date : 12/17/2018 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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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
Quartz	14808-60-7	40 - 95 %

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Cristobalite	14464-46-1	40 - 50 %
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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.

Further information : No applicable data available.

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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
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection : Additional protection: Protective gloves
Eye protection : Safety glasses


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 Exposure Guidelines
 Exposure Limit Values

Quartz			
Permissible exposure limit:	(OSHA)	0.05 mg/m ³	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 ³	TWA
Permissible exposure limit:	(OSHA)	0.05 mg/m ³	TWA
TLV	(ACGIH)	0.025 mg/m ³	TWA
AEL *	(DuPont)	0.01 mg/m ³	12 hr. TWA
AEL *	(DuPont)	0.02 mg/m ³	8 hr. TWA

Cristobalite			
Permissible exposure limit:	(OSHA)	0.05 mg/m ³	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 ³	TWA
Permissible exposure limit:	(OSHA)	0.05 mg/m ³	TWA
TLV	(ACGIH)	0.025 mg/m ³	TWA
AEL *	(DuPont)	0.01 mg/m ³	12 hr. TWA
AEL *	(DuPont)	0.02 mg/m ³	8 hr. TWA

Octabenzene			
No applicable data available.			

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

 Appearance
 Physical state : solid
 Form : solid

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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/cm³

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

Water solubility : insoluble

Solubility(ies) : No applicable data available.

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.

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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
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.

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Repeated dose toxicity : Inhalation
Rat



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- 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

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.


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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

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



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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.

SECTION 16. OTHER INFORMATION

Before use read DuPont's safety information.

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