Corian® Solid Surface

Version 7.1

Issue Date	:	01/01/2025	Ref. 150000004173
Revision Date	:	09/27/2024	

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® Solid Surface
Product Use	:	sheets and shaped articles, 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	:	1-833-338-7668
Transport Emergency	:	+1-800-424-9300 (outside the U.S. & Canada +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Product hazard category

Combustible dust

Label content

Pictogram : not required

Signal word : Warning

Hazardous warnings : May form combustible dust concentrations in air.

Hazardous prevention measures : not required

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.
WARNING!
May form combustible dust concentrations in air (during processing).
High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing.
Corian® Solid Surface does not emit gas at room temperature. At higher temperatures, small amounts of methyl methacrylate and butyl acrylate can be released. The amounts are dependent upon temperature, time and other variables.
Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 95.9541 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SECTION 4. FIRST AID MEASURES

General advice	:	No applicable data available.
Inhalation	:	If large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, move to fresh air.
Skin contact	:	No hazards which require special first aid measures.
Eye contact	:	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	:	No hazards which require special first aid measures.
Most important symptoms/effects, acute and delayed	:	No applicable data available.
Protection of first-aiders	:	No applicable data available.
Notes to physician	:	No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray, Dry chemical, Carbon dioxide (CO2), Foam

Unsuitable extinguishing media	:	No applicable data available.
Specific hazards	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Hazardous combustion products Carbon monoxide Carbon dioxide (CO2) Methyl methacrylate monomer Aldehydes Butyl acrylate
Special protective equipment for firefighters	:	No applicable data available.
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)	:	No special precautions required.
Environmental precautions	:	No special environmental precautions required.
Spill Cleanup	:	Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used.
Accidental Release Measures	:	No applicable data available.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel)	:	Do not breathe dust. Do not breathe vapours or fumes that may be evolved during processing. Wash hands before breaks and at the end of workday. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Handling and processing operations should be conducted in accordance with best practices (e.g.NFPA-654).

Handling (Physical Aspects) : No applicable data available.
Dust explosion class : No applicable data available.
Storage : No special storage conditions required.

Storage period : No applicable data available.

Storage temperature : No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment
Respiratory protection : No personal respiratory protective equipment normally required. Dust safety masks are recommended when the dust concentration is more than 10 mg/m3.
Hand protection : Additional protection: Wear gloves suitable for the task being performed. Leather gloves or a suitable alternative should be worn when handling solid surface. Chemical resistant gloves should be used when handling chemicals. One exception is the use of rotating equipment, where gloves could be caught on the equipment.

Eye protection : Safety glasses

Exposure Guidelines
Exposure Limit Values

Solid Surface
No applicable data available.

Dust (inhalable and respirable fraction)			
PEL (Permissible Exposure Limit)	(OSHA)	50 Million particles per cubic foot	TWA total dust
PEL (Permissible Exposure Limit)	(OSHA)	15 mg/m3	TWA total dust

PEL (Permissible Exposure Limit)	(OSHA)	5 mg/m3	TWA respirable fraction
PEL (Permissible Exposure Limit)	(OSHA)	15 Million particles per cubic foot	TWA respirable fraction
TLV	(ACGIH)	3 mg/m3	TWA Respirable particulate matter
TLV	(ACGIH)	10 mg/m3	TWA Inhalable particulate matter

Methyl methacrylate			
TLV	(ACGIH)	50 ppm	TWA
TLV	(ACGIH)	100 ppm	STEL
REL	(NIOSH)	100 ppm 410 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
PEL (Permissible Exposure Limit)	(OSHA)	100 ppm 410 mg/m3	8 hr. TWA
PEL (Permissible Exposure Limit)	(OSHA)	100 ppm 410 mg/m3	TWA
AEL *	(DuPont)	50 ppm	8 & 12 hr. TWA
AEL *	(DuPont)	100 ppm	Short term exposure limit

Butyl acrylate			
TLV	(ACGIH)	2 ppm	TWA
REL	(NIOSH)	10 ppm 55 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
PEL (Permissible Exposure Limit)	(OSHA)	10 ppm 55 mg/m3	TWA
AEL *	(DuPont)	2 ppm	12 hr. TWA

Aluminum hydroxide			
TLV	(ACGIH)	1 mg/m3	TWA Respirable particulate matter Aluminium

Polymethyl methacrylate			
AEL *	(DuPont)	10 mg/m3	8 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 hr. TWA Respirable dust.

Titanium dioxide

PEL (Permissible Exposure Limit)	(OSHA)	15 mg/m3	8 hr. TWA total dust
PEL (Permissible Exposure Limit)	(OSHA)	10 mg/m3	TWA Total dust
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.
TLV	(ACGIH)	0.2 mg/m3	TWA Respirable particulate matter Titanium dioxide
TLV	(ACGIH)	2.5 mg/m3	TWA Respirable particulate matter Titanium dioxide

C.I. Pigment Red 101			
TLV	(ACGIH)	5 mg/m3	TWA Respirable particulate matter
REL	(NIOSH)	5 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek dust and fume Iron
PEL (Permissible Exposure Limit)	(OSHA)	10 mg/m3	8 hr. TWA Fumes
PEL (Permissible Exposure Limit)	(OSHA)	15 mg/m3	8 hr. TWA total dust
PEL (Permissible Exposure Limit)	(OSHA)	5 mg/m3	8 hr. TWA respirable fraction
PEL (Permissible Exposure Limit)	(OSHA)	10 mg/m3	TWA Fumes

Carbon black			
TLV	(ACGIH)	3 mg/m3	TWA Inhalable particulate matter
REL	(NIOSH)	3.5 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
PEL (Permissible Exposure Limit)	(OSHA)	3.5 mg/m3	8 hr. TWA
PEL (Permissible Exposure Limit)	(OSHA)	3.5 mg/m3	TWA
REL	(NIOSH)	0.1 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a

			40-hour workweek PAHs
AEL *	(DuPont)	0.5 mg/m3	8 & 12 hr. TWA Polynuclear Aromatic Hydrocarbons (PAH) < 0.1%

* 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
- Color : various

Odor : odourless

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 : Not applicable

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.

Vapor pressure : Not applicable

Vapor density : Not applicable

Density : 1.6 - 1.8 g/cm3

Specific gravity (Relative density)	:	No applicable data available.
Water solubility	:	insoluble
Solubility(ies)	:	No applicable data available.
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No applicable data available.
Decomposition temperature	:	No applicable data available.
Viscosity, kinematic	:	Not applicable
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	:	No applicable data available.
Conditions to avoid	:	None reasonably foreseeable. Stable under normal conditions.
Incompatible materials	:	No applicable data available.
Hazardous decomposition products	:	Methyl methacrylate monomer, n-Butyl acrylate

SECTION 11. TOXICOLOGICAL INFORMATION

Corian® Solid Surface

Further information : This product has no known adverse effect on human health.

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
Titanium dioxide	2B		
Carbon black	2B		

SECTION 12. ECOLOGICAL INFORMATION

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 : No applicable data available.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA Status : On the inventory, or in compliance with the inventory

TSCA : On the inventory, or in compliance with the inventory

SARA 311/312 Hazard classification : Combustible dust

SARA 313 Regulated Chemical(s) : Zinc sulphide, Zinc distearate

PA Right to Know : Substances on the Pennsylvania Hazardous Substances List present at a

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Regulated Chemical(s)		concentration of 1% or more (0.01% for Special Hazardous Substances): Titanium dioxide, C.I. Pigment Red 101, Zinc sulphide, 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper, Zinc distearate, Manganese oxide, n-Butyl acetate, Polychloro copper phthalocyanine, Tetrahydrofuran
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): Titanium dioxide, C.I. Pigment Red 101, Carbon black
CERCLA Reportable Quantity	:	Based on the percentage composition of this chemical in the product.:

101 lbs	Zinc sulphide

California Prop. 65	:	WARNING: This product can expose you to substances including Titanium dioxide, which is/are known to the State of California to cause cancer, and Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Restrictions for use	:	Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications and DuPont CAUTION Regarding Medical Applications.

Corian is a registered trademark of E. I. duPont de Nemours and Company
Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
Before use read DuPont's safety information.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Warning

Hazard statements: May form combustible dust concentrations in air.
Supplemental information: 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. WARNING! May form combustible dust concentrations in air (during processing). High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing. Corian® Solid Surface does not emit gas at room temperature. At higher temperatures, small amounts of methyl methacrylate and butyl acrylate can be released. The amounts are dependent upon temperature, time and other variables. Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 95.9541 %

Refer to Safety Data Sheet (SDS) for further information.

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