Safety Data Sheet

Corian® Solid Surface

Version 3.0

Revision Date 07/28/2017 Ref. 150000004173

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	:	1-302-774-1000
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: +1-800-424-9300 (outside the U.S. +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.
If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

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.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 96.0639 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Solid Surface		100 %

Exposure limits may be applicable for the following :

Dust (inhalable and respirable fraction)		
Methyl methacrylate	80-62-6	
Butyl acrylate	141-32-2	

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 (CO_2), 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

Dust (inhalable and respirable fraction)

Permissible exposure limit:	(OSHA)	5 mg/m3	8 hr. TWA	Respirable fraction.
Permissible exposure limit:	(OSHA)	15 mg/m3	8 hr. TWA	Total dust.
TLV	(ACGIH)	3 mg/m3	TWA	Respirable particles.
TLV	(ACGIH)	10 mg/m3	TWA	Inhalable particles.

Methyl methacrylate				
Permissible exposure limit:	(OSHA)	100 ppm	410 mg/m3	8 hr. TWA
TLV	(ACGIH)	50 ppm	TWA	
TLV	(ACGIH)	100 ppm	STEL	
Butyl acrylate				
TLV	(ACGIH)	2 ppm	TWA	
AEL *	(DuPont)	2 ppm	8 & 12 hr. TWA	

* 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.
Vapour Pressure	:	No applicable data available.
Vapour density	:	No applicable data available.
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	:	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	:	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 , 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 (US) Status	:	On the inventory, or in compliance with the inventory
SARA 313 Regulated Chemical(s)	:	Zinc sulphide, Zinc distearate
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): Titanium dioxide, C.I. Pigment Red 101
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	:	101 lbs Based on the percentage composition of this chemical in the product.: Zinc sulphide
California Prop. 65	:	The State of California, under Proposition 65, regulates Carbon Black - airborne, unbound particles of respirable size as a carcinogen. In this product, carbon black is not supplied in the form regulated in California. WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer.Titanium dioxide WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.Methanol

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.

Revision Date : 07/28/2017

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.

Significant change from previous version is denoted with a double bar.

Corian® Solid Surface

Components: Solid Surface; Dust (inhalable and respirable fraction); Methyl methacrylate, CAS No. 80-62-6; Butyl acrylate, CAS No. 141-32-2

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. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. 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.

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

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