



**Corian® Solid Surface Material**

Version 2.0

Revision Date 11/17/2014

Ref. 150000004173

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Corian® Solid Surface Material  
 MSDS Number : 150000004173

Manufacturer : DuPont  
 Building Innovations  
 1007 Market Street  
 Wilmington, DE 19898

Product Information : 1-302-774-1000  
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

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 material 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.

**Potential Health Effects**

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.

**Carcinogenicity**

Material	IARC	OSHA	ACGIH
Titanium dioxide	2B		
Carbon black	2B		A3


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

Component	CAS-No.	Concentration
Solid Surface Material		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**

- Skin contact : No hazards which require special first aid measures.
- Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
- Inhalation : If large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, move to fresh air.
- Ingestion : No hazards which require special first aid measures.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties
- Flash point : Not applicable



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Fire and Explosion Hazard : 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 (CO<sub>2</sub>)  
Methyl methacrylate monomer Aldehydes

Hazardous combustion products : Butyl acrylate

Suitable extinguishing media : Water spray, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Foam

**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.

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 special environmental precautions required.

**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.

Storage : No special storage conditions required.



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**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 leather or cotton gloves when grinding, sawing, routing, drilling or sanding.

Eye protection : Safety glasses

Exposure Guidelines  
Exposure Limit Values

Dust (inhalable and respirable fraction)			
TLV	(ACGIH)	10 mg/m3	TWA Inhalable particles.

TLV	(ACGIH)	3 mg/m3	TWA Respirable particles.
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Methyl methacrylate			
TLV	(ACGIH)	50 ppm	TWA

TLV	(ACGIH)	100 ppm	STEL
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Butyl acrylate			
TLV	(ACGIH)	2 ppm	TWA

AEL *	(DUPONT)	2 ppm	8 & 12 hr. TWA
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TLV	(ACGIH)	10 mg/m3	TWA Inhalable particles.



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TLV	(ACGIH)	3 mg/m3	TWA	Respirable particles.
Methyl methacrylate				
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**

Form	: solid
Color	: various
Odor	: odourless
Density	: 1.6 - 1.8 g/cm3
Water solubility	: insoluble

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: None reasonably foreseeable. Stable under normal conditions.
Hazardous decomposition products	: Methyl methacrylate monomer, n-Butyl acrylate , Butyl acrylate

**SECTION 11. TOXICOLOGICAL INFORMATION**

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



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**SECTION 12. ECOLOGICAL INFORMATION**

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

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : Can be landfilled or incinerated, when in compliance with local regulations.

**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

DSL : Product meets the definition of an article as defined by CEPA and is therefore exempt from CEPA inventory requirements.

WHMIS Classification : - Not WHMIS controlled.

**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 11/17/2014

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.

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