

**Corian® Solid Surface Material**

Version 2.0

Revision Date 07/09/2015

Ref. 150000004173

This document is for information only, provided voluntarily and not subsequent to regulatory requirement.

PRODUCT AND CONTACT INFORMATION**Product identifier**

Product name : Corian® Solid Surface Material

Company : DuPont
Building Innovations
974 Centre Road
Wilmington, Delaware 19805

Telephone : 1-302-774-1000

Emergency telephone number

Emergency contact : 1-800-441-3637 (outside the U.S. 1-302-774-1139)

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.

Physical and chemical propertiesForm : solid
Color : various
Odor : odourless
Density : 1.6 - 1.8 g/cm³
Water solubility : insoluble**Stability and reactivity**

Conditions to avoid : None reasonably foreseeable. Stable under normal conditions.

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Hazardous decomposition products : Methyl methacrylate monomer, n-Butyl acrylate, Butyl acrylate

INFORMATION ON INGREDIENTS

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Exposure limits may be applicable for the following :

Component	CAS-No.	Concentration
Solid Surface Material		100 %
Dust (inhalable and respirable fraction)		
Methyl methacrylate	80-62-6	
Butyl acrylate	141-32-2	

FIRST AID MEASURES**Description of first aid measures**

- 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.

FIREFIGHTING MEASURES**Extinguishing media**



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

Special hazards arising from the article

Specific hazards during firefighting : 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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : No special precautions required.

Environmental precautions

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up

Methods for cleaning up : 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.

HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : 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



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and bonding, or inert atmospheres.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No special storage conditions required.

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)

Permissible exposure limit:	(OSHA_TRA NS)	5 mg/m ³	8 hr. TWA	Respirable fraction.
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Permissible exposure limit:	(OSHA_TRA NS)	15 mg/m ³	8 hr. TWA	Total dust.
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TLV	(US ACGIH)	3 mg/m ³	TWA	Respirable particles.
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TLV	(US ACGIH)	10 mg/m ³	TWA	Inhalable particles.
Methyl methacrylate Permissible exposure limit:	(OSHA_TRA NS)	100 ppm	410 mg/m ³	8 hr. TWA
TLV	(US ACGIH)	50 ppm	TWA	
TLV	(US ACGIH)	100 ppm	STEL	
Butyl acrylate TLV	(US ACGIH)	2 ppm	TWA	
AEL *	()	2 ppm	8 & 12 hr. TWA	
Dust (inhalable and respirable fraction) Permissible exposure limit:	(OSHA_TRA NS)	5 mg/m ³	8 hr. TWA	Respirable fraction.
Permissible exposure limit:	(OSHA_TRA NS)	15 mg/m ³	8 hr. TWA	Total dust.
TLV	(US ACGIH)	3 mg/m ³	TWA	Respirable particles.
TLV	(US ACGIH)	10 mg/m ³	TWA	Inhalable particles.
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* 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.

DISPOSAL CONSIDERATIONS

Waste treatment methods

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

REGULATORY INFORMATION

TSCA (US) Status

On the inventory, or in compliance with the inventory

OTHER INFORMATION

Further information

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.

The information provided in this Article Information 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.