



## Article Information Sheet

### **Corian® Solid Surface Material**

Version 3.0

Revision Date 17.03.2014

Ref. 15000004173

The composition information contained in this document is provided to satisfy the requirements of Regulation (EC) No 1907/2006 (REACH), Article 33. Other information is provided voluntarily and is not subject to regulatory requirement.

#### **Identification of the article and of the company/undertaking**

##### **Product identifier**

Product name : Corian® Solid Surface Material

##### **Relevant identified uses of the article and uses advised against**

Not relevant for article

##### **Details of the supplier of the article information sheet**

Company : Du Pont de Nemours (Luxembourg) S.à r.l.  
Rue du General Patton / Contern  
L-2984 Luxembourg  
Luxembourg

Telephone : +352-3666-1000

E-mail address : sds-support@che.dupont.com

##### **Emergency telephone number**

Emergency telephone number : +44 (0) 8456 006 640

#### **Hazards identification**

##### **Classification of the substance or mixture**

Not relevant for article

##### **Label elements**

Not relevant for article

##### **Product information**

The product as such is not hazardous.

The hazards of this product are associated mainly with its processing.

May form combustible dust concentrations in air (during processing).

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.

#### **Composition/information on ingredients**

Identification of the article : Mineral-filled polymethylmethacrylate.

##### **Article composition**



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Not relevant for article

The above products are REACH compliant; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

#### 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.

##### Most important symptoms and effects, both acute and delayed

Not relevant for article

##### Indication of any immediate medical attention and special treatment needed

Not relevant for article

#### Firefighting measures

##### Extinguishing media

Suitable extinguishing media : Water spray, Dry chemical, Carbon dioxide (CO<sub>2</sub>), 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 (CO<sub>2</sub>) Methyl methacrylate monomer Aldehydes

##### Advice for firefighters

Not relevant for article

#### 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



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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.

**Reference to other sections**

Not relevant for article

**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 and bonding, or inert atmospheres.

**Conditions for safe storage, including any incompatibilities**

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

**Specific end use(s)**

Not relevant for article

**Exposure controls/personal protection**

**Control parameters**

If sub-section is empty then no values are applicable.

**Components with workplace control parameters**

Type Form of exposure	Control parameters	Update	Basis	Remarks
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**Dust (inhalable and respirable fraction)**

TWA Inhalable dust.	10 mg/m <sup>3</sup>	12 2011	EH40 WEL	
TWA Respirable dust.	4 mg/m <sup>3</sup>	12 2011	EH40 WEL	

**Methyl methacrylate (CAS-No. 80-62-6)**

TWA	208 mg/m <sup>3</sup> 50 ppm	2007	EH40 WEL	
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STEL	416 mg/m3 100 ppm	2007	EH40 WEL	
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**Butyl acrylate (CAS-No. 141-32-2)**

STEL	26 mg/m3 5 ppm	2007	EH40 WEL	
TWA	5 mg/m3 1 ppm	2007	EH40 WEL	
TWA	11 mg/m3 2 ppm	12 2009	EU ELV	Indicative
STEL	53 mg/m3 10 ppm	12 2009	EU ELV	Indicative

**Methyl methacrylate (CAS-No. 80-62-6)**

TWA	208 mg/m3 50 ppm	2007	EH40 WEL	
STEL	416 mg/m3 100 ppm	2007	EH40 WEL	

**Titanium dioxide (CAS-No. 13463-67-7)**

TWA Respirable.	4 mg/m3	2007	EH40 WEL	
TWA Inhalable	10 mg/m3	2007	EH40 WEL	

**Butyl acrylate (CAS-No. 141-32-2)**

STEL	26 mg/m3 5 ppm	2007	EH40 WEL	
TWA	5 mg/m3 1 ppm	2007	EH40 WEL	
TWA	11 mg/m3 2 ppm	12 2009	EU ELV	Indicative
STEL	53 mg/m3 10 ppm	12 2009	EU ELV	Indicative

**C.I. Pigment Red 101 (CAS-No. 1309-37-1)**

TWA Respirable.	4 mg/m3	2007	EH40 WEL	
TWA Inhalable	10 mg/m3	2007	EH40 WEL	
TWA Fume.	5 mg/m3	2007	EH40 WEL	



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STEL Fume.	10 mg/m <sup>3</sup>	2007	EH40 WEL	
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**Exposure controls**

- Engineering measures : 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.
- Eye protection : Safety glasses
- Respiratory protection : No personal respiratory protective equipment normally required. Dust safety masks are recommended when the dust concentration is more than 10 mg/m<sup>3</sup>.

**Physical and chemical properties**

**Information on basic physical and chemical properties**

- Form : solid
- Colour : various
- Odour : odourless
- Flash point : not applicable
- Density : 1.6 - 1.8 g/cm<sup>3</sup>

Water solubility : insoluble

**Other information**  
Not relevant for article

**Stability and reactivity**

- Reactivity : Not relevant for article
- Chemical stability : Not relevant for article
- Possibility of hazardous reactions : no data available
- Conditions to avoid : None reasonably foreseeable. Stable under normal conditions.
- Incompatible materials : Not relevant for article
- Hazardous decomposition products : Methyl methacrylate monomer  
n-Butyl acrylate  
Butyl acrylate



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**Toxicological information**

**Information on toxicological effects**

**Acute oral toxicity**

Acute toxicity estimate : > 2,000 mg/kg

Method: Calculation method

**Acute inhalation toxicity**

Acute toxicity estimate : > 5 mg/l

Method: Calculation method

**Further information**

This product has no known adverse effect on human health.

**Ecological information**

**Toxicity**

**Persistence and degradability**

Not relevant for article

**Bioaccumulative potential**

Not relevant for article

**Mobility in soil**

Not relevant for article

**Results of PBT and vPvB assessment**

Not relevant for article

**Other adverse effects**

**Additional ecological information**

This product has no known ecotoxicological effects.

**Disposal considerations**

**Waste treatment methods**

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

**Other information**

**Abbreviations and acronyms**

ADR European Agreement concerning the International Carriage of Dangerous Goods by



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	Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observable effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	time weighted average
vPvB	very Persistent and very Bioaccumulative

**Further information**

Before use read DuPont's safety information.  
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Significant change from previous version is denoted with a double bar.

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