



## Corian® Solid Surface

Ref. 150000004173  
Version 4.0 (replaces: Version 3.1)

Revision Date 21.12.2022  
Issue Date 21.12.2022

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

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

Use of the article : sheets and shaped articles, For professional users only.

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

Company : Du Pont de Nemours (Luxembourg) S.à r.l.  
Rue Général Patton, CR234, L-5326 Contern  
L-2984 Luxembourg  
Luxembourg

Telephone : +352-3666-1000

Telefax : +352-3666-5060

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

#### Emergency telephone number

+(44)-870-8200418 (CHEMTREC)

### Hazards identification

#### Classification of the substance or mixture

Not relevant for article

#### Label elements

Not relevant for article

#### Product information

Endocrine disrupting properties (human health):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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### Endocrine disrupting properties (environment):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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.

## Composition/information on ingredients

Identification of the article : Mineral-filled polymethylmethacrylate.

### Article composition

The above products are compliant to REACH registration obligations; 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



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Not relevant for article

**Firefighting measures**

**Extinguishing media**

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

**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**

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

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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. For further information on any control parameters provided, please refer to the relevant regulation.

### Components with workplace control parameters

Type Form of exposure	Control parameters (Expressed as)	Update	Regulatory basis
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#### Triiron tetraoxide (CAS-No. 1317-61-9)

Long-term exposure limit (8-hour TWA reference period) Fumes	5 mg/m <sup>3</sup> (Iron)	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
	Further information: 47: The word 'fume' is often used to include gases and vapours. This is not the case for exposure limits where 'fume' should normally be applied to solid particles generated by chemical reactions or condensed from the gaseous state, usually after volatilisation from melted substances. The generation of fume is often accompanied by a chemical reaction such as oxidation or thermal breakdown.		
Short-term exposure limit (15-minute reference period) Fumes	10 mg/m <sup>3</sup> (Iron)	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
	Further information: 47: The word 'fume' is often used to include gases and vapours. This is not the case for exposure limits where 'fume' should normally be applied to solid particles generated by chemical reactions or condensed from the gaseous state, usually after volatilisation from melted substances. The generation of fume is often accompanied by a chemical reaction such as oxidation or thermal breakdown.		

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

Long-term exposure limit (8-hour TWA reference period) inhalable dust	10 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
Long-term exposure limit (8-hour TWA reference period) Respirable dust	4 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits

#### Iron hydroxide oxide yellow (CAS-No. 51274-00-1)

Long-term exposure limit (8-hour TWA reference period) Fumes	5 mg/m <sup>3</sup> (Iron)	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
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### C.I. Pigment Red 101 (CAS-No. 1309-37-1)

Long-term exposure limit (8-hour TWA reference period) inhalable dust	10 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
	Further information: 13: For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols.; 43: The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits.; 44: Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'.; 45: Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4.; 46: Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with.; 14: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.		
Long-term exposure limit (8-hour TWA reference period) Respirable dust	4 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
	Further information: 13: For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/4 General methods for sampling and gravimetric analysis or respirable, thoracic and inhalable aerosols.; 43: The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed to dust above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limits.; 44: Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system, and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'.; 45: Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/4.; 46: Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with.; 14: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.		

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Issue Date 21.12.2022**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/face 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
- Flammability (solid, gas) : May form combustible dust concentrations in air.
- Vapour pressure : Not applicable
- Density : 1.6 - 1.8 g/cm<sup>3</sup>
- Water solubility : insoluble
- Partition coefficient: n-octanol/water : Not applicable
- Viscosity, kinematic : Not applicable
- Relative vapour density : Not applicable

**Other information**

No other data to be specially mentioned.

**Stability and reactivity**

- Reactivity : Not relevant for article
- Chemical stability : Not relevant for article



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- Possibility of hazardous reactions** : No applicable 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

**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**

Not relevant for article

**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**

PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and

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toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 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 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 observed 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



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STEL	Short term exposure limit
TWA	Time Weighted Average (TWA):
vPvB	very Persistent and very Bioaccumulative

**Restrictions on 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.

**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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