

# SAFETY DATA SHEET



## Corian® Solid Surface

Version 4.0  
Document no. 150000004173

Revision Date 09.11.2018  
Issue Date 09.11.2018

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

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product name** : Corian® Solid Surface

**Recommended use of the chemical and restriction on use**  
Recommended 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, importer, supplier, representative office**  
Company : DuPont (New Zealand) Limited  
Street address : Level 1, 14 Ormiston Road, East Tamaki, Auckland 2016  
New Zealand  
Telephone : +64 9 271 2408  
Telefax : (09)-271-2961

**Emergency telephone number** : 24-hour Medical Emergency: 0800 111174;  
Transport Emergency: 0800 387668

### 2. HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001  
Not classified as a Dangerous Good under NZS 5433

#### HSNO Classification:

Not applicable to classification standard.

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

#### 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. 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture

#### Components

Chemical name	CAS-No.	Concentration
Solid Surface		100 %
Exposure limits may be applicable for the following :		
Dust (inhalable and respirable fraction)		
Methyl methacrylate	80-62-6	



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Butyl acrylate

141-32-2

### 4. 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/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : No information available.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Foam
- 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 (CO<sub>2</sub>) Methyl methacrylate monomer Aldehydes Butyl acrylate
- Special protective equipment for firefighters** : No information available.
- Specific extinguishing methods** : No information available.
- Further information** : No information available.
- Hazchem Code** : Not applicable

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : No special precautions required.
- Environmental precautions** : No special environmental precautions required.



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**Methods and materials for containment and 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.

### 7. HANDLING AND STORAGE

#### Handling

**Technical measures/Precautions** : 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.

**Precautions for safe handling** : No information available.

#### Storage

**Suitable storage conditions** : No special storage conditions required.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Applicable occupational exposure limits are listed below.

Chemical name	Occupational Exposure Limits	Regulation
Methyl methacrylate		
STEL	100 ppm 416 mg/m <sup>3</sup>	NZ OEL (09 2010)
	Skin absorption can be significant.	NZ OEL (09 2010)
TWA	50 ppm 208 mg/m <sup>3</sup>	NZ OEL (09 2010)
TWA	50 ppm	US ACGIH (2011)
STEL	100 ppm	US ACGIH (2011)
Butyl acrylate		
TWA	10 ppm 52 mg/m <sup>3</sup>	NZ OEL (09 2010)
TWA	2 ppm	US ACGIH (2011)
Aluminium hydroxide		
TWA	10 mg/m <sup>3</sup> (Inhalable dust.)	NZ OEL (02 2013)
TWA	3 mg/m <sup>3</sup> (Respirable dust.)	NZ OEL (02 2013)
TWA	1 mg/m <sup>3</sup> (Respirable fraction.)	US ACGIH (2011)
Titanium dioxide		
TWA	10 mg/m <sup>3</sup>	NZ OEL (06 2016)
TWA	10 mg/m <sup>3</sup>	US ACGIH (2011)



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- 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.
- Biological occupational exposure limits** : No information available.
- Personal protective equipment**
- Respiratory protection : No personal respiratory protective equipment normally required. A Class P2 dust mask that conforms to AS/NZS 1716 – “Respiratory Protective Devices” is recommended when the dust concentration is more than 10 mg/m<sup>3</sup>.
- Hand 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
- Skin protection : No information available.
- Hygiene measures** : No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance (Physical state, form, colour, etc.)

- Physical state : solid  
Form : solid  
Colour : various

**Odour** : odourless

**Odour Threshold** : No information available.

**pH** : No information available.

### Melting point/freezing point

No information available.

### Initial boiling point and boiling range

No information available.

**Flash point** : Not applicable

**Evaporation rate** : No information available.

**Flammability (solid, gas)** : May form combustible dust concentrations in air.

**Upper/lower flammability or explosive limits**



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Upper explosion limit	: No information available.
Lower explosion limit	: No information available.
<b>Vapour pressure</b>	: Not applicable
<b>Vapour density</b>	: Not applicable
<b>Density</b>	
Density	: 1.6 - 1.8 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	
Water solubility	: insoluble
<b>Partition coefficient: n-octanol/water</b>	: Not applicable
<b>Auto-ignition temperature</b>	
No information available.	
<b>Decomposition temperature</b>	: No information available.
<b>Viscosity</b>	
Viscosity, kinematic	: Not applicable
<b>Molecular weight</b>	: Not applicable
<b>Oxidizing properties</b>	: No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	: No information available.
<b>Chemical stability</b>	: No information available.
<b>Possibility of hazardous reactions</b>	: No applicable data available.
<b>Conditions to avoid</b>	: None reasonably foreseeable. Stable under normal conditions.
<b>Materials to avoid</b>	: No information available.
<b>Hazardous decomposition products</b>	: Methyl methacrylate monomer, n-Butyl acrylate

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

No information available.

### Skin corrosion/irritation

No information available.

### Serious eye damage/eye irritation



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No information available.

### **Respiratory or skin sensitisation**

No information available.

### **Germ cell mutagenicity**

No information available.

### **Carcinogenicity**

No information available.

### **Reproductive toxicity**

No information available.

### **Specific Target Organ Toxicity**

No information available.

### **Aspiration hazard**

No information available.

### **Other**

Corian® Solid Surface : This product has no known adverse effect on human health.

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity effects**

No information available.

### **Persistence and degradability**

No information available.

### **Bioaccumulation**

No information available.

### **Mobility in soil**

No information available.

### **Other adverse effects**

Corian® Solid Surface : This product has no known ecotoxicological effects.

## **13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods** : Can be landfilled or incinerated, when in compliance with local regulations.

**Contaminated packaging** : Dispose of in accordance with local regulations.

## **14. TRANSPORT INFORMATION**

Not classified as a Dangerous Good under NZS 5433

**NZS 5433**



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UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable

### IMDG

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable  
Marine pollutant : Not applicable

### IATA

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Not applicable

## 15. REGULATORY INFORMATION

HSNO Number : Not applicable

Approved handler certificate not required.

HSNO tracking not required.

Refer to EPA user guide to the HSNO control regulations for further information.

## 16. OTHER INFORMATION

### References

SDS Number: 150000004173

### Revision Date/Version

Date of first preparation : 15.12.2015  
Revision Date : 09.11.2018  
Version : 4.0

Before use read DuPont's safety information.

Corian® is a registered trademark of E.I. du Pont de Nemours and Company.

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.



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

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 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.