

SAFETY DATA SHEET



Corian® Solid Surface

Version 5.0
Document no. 150000004173

Revision Date 21.12.2022
Issue Date 13.03.2023

This SDS adheres to the standards and regulatory requirements of Australia 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 : Du Pont (Australia) Pty Ltd
Street address : 15 Blackman Crescent
South Windsor NSW 2756
Australia

Telephone : (02) 9923 6111
Telefax : Not available

Emergency telephone number : (02) 9037 2994 (Transport Emergency); (24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Not a hazardous substance or mixture.
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
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Solid Surface		100 %
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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 (CO₂), Foam
- Unsuitable extinguishing media** : No information available.
- 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 (CO₂) 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.

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Environmental precautions : No special environmental precautions required.

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.

Solid Surface		
Dust (inhalable and respirable fraction)		
TWA	3 mg/m3 (Respirable particulate matter)	ACGIH (03 2014)
TWA	10 mg/m3 (Inhalable particulate matter)	ACGIH (03 2014)
Methyl methacrylate		
TWA	50 ppm 208 mg/m3	AU OEL (2013-04-18)
STEL	100 ppm 416 mg/m3	AU OEL (2013-04-18)
TWA	50 ppm	ACGIH (2016-03-01)
STEL	100 ppm	ACGIH (2016-03-01)
Butyl acrylate		
TWA	1 ppm 5 mg/m3	AU OEL (2013-04-18)
STEL	5 ppm 26 mg/m3	AU OEL (2013-04-18)
TWA	2 ppm	ACGIH (2014-03-01)

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Aluminium hydroxide		
TWA (Aluminium)	1 mg/m3 (Respirable particulate matter)	ACGIH (2013-03-01)
Titanium dioxide		
TWA	10 mg/m3	AU OEL (2012-05-04)
TWA (Titanium dioxide)	2.5 mg/m3 (Respirable particulate matter)	ACGIH (2022-01-01)
TWA (Titanium dioxide)	0.2 mg/m3 (Respirable particulate matter)	ACGIH (2022-01-01)
C.I. Pigment Red 101		
TWA (Iron)	5 mg/m3 (Fumes)	AU OEL (2012-05-04)
TWA	5 mg/m3 (Respirable particulate matter)	ACGIH (2007-01-01)
Manganese oxide		
TWA (Manganese)	1 mg/m3	AU OEL (2012-05-04)
TWA (Manganese)	0.1 mg/m3 (Inhalable particulate matter)	ACGIH (2015-04-10)
TWA (Manganese)	0.02 mg/m3 (Respirable particulate matter)	ACGIH (2015-04-10)

Biological occupational exposure limits

No biological exposure limit values are applicable.

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.

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/m3.
- 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

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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	: May form combustible dust concentrations in air.
Upper/lower flammability or explosive limits	
Upper explosion limit	: No information available.
Lower explosion limit	: No information available.
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Density	
Density	: 1.6 - 1.8 g/cm ³
Solubility(ies)	
Water solubility	: insoluble
Particle characteristics	
Assessment	: No information available.
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: No information available.
Decomposition temperature	: No information available.
Viscosity	
Viscosity, kinematic	: Not applicable
Molecular weight	: Not applicable
Oxidizing properties	: No information available.

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- Reactivity** : No information available.
- Chemical stability** : No information available.
- Possibility of hazardous reactions** : No applicable data available.
- Conditions to avoid** : None reasonably foreseeable. Stable under normal conditions.
- Materials to avoid** : No information available.
- Hazardous decomposition products** : 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

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

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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 dangerous goods according to the ADG Code.

ADG

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

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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

Standard for the Uniform Scheduling of Medicines and Poisons: No poison schedule number allocated

16. OTHER INFORMATION

References

SDS Number: 150000004173

Revision Date/Version

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