

SAFETY DATA SHEET



Corian® Solid Surface Material

Version 2.2

Revision Date 21.06.2013

Ref. 130000000804

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 information

Trade name : Corian® Solid Surface Material
Use of the :
Substance/Mixture :
Company : Du Pont (Australia) Pty Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011
Emergency telephone : (02) 9923 6275 (Transport Emergency)
number : (24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mineral-filled polymethylmethacrylate.
Components

Chemical Name	CAS-No.	Concentration
Solid Surface Material		100 %
Exposure limits may be applicable for the following :		
Dust (inhalable and respirable fraction)		
Methyl methacrylate	80-62-6	
Butyl acrylate	141-32-2	

3. HAZARDS IDENTIFICATION

Hazardous classification

Not classified as dangerous goods according to the ADG Code.

Not classified as hazardous according to criteria of NOHSC.

Specific 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.

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.

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.

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Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion : No hazards which require special first aid measures.

5. FIREFIGHTING MEASURES

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

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
Butyl acrylate

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required.

Environmental precautions : No special environmental precautions required.

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.

7. HANDLING AND STORAGE**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.

Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**


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Chemical Name	Occupational Exposure Limits		Regulation
Dust (inhalable and respirable fraction)	TWA	10 mg/m ³ (Inhalable particles.)	US. ACGIH Threshold Limit Values (03 2012)
	TWA	3 mg/m ³ (Respirable particles.)	US. ACGIH Threshold Limit Values (03 2012)
Methyl methacrylate	STEL	100 ppm	US. ACGIH Threshold Limit Values (2011)
	TWA	50 ppm	US. ACGIH Threshold Limit Values (2011)
	TWA	50 ppm, 208 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	STEL	100 ppm, 416 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Butyl acrylate	TWA	2 ppm	US. ACGIH Threshold Limit Values (2011)
	TWA	1 ppm, 5 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	STEL	5 ppm, 26 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

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. Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.
- Hand protection : Wear leather or cotton gloves when grinding, sawing, routing, drilling or sanding.
- Eye protection : Safety glasses

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid
Colour	: various
Odour	: odourless
Flash point	: not applicable
Density	: 1.6 - 1.8 g/cm ³
Water solubility	: insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid	: None reasonably foreseeable. Stable under normal conditions.
Hazardous decomposition products	: Methyl methacrylate monomer, n-Butyl acrylate Butyl acrylate

11. TOXICOLOGICAL INFORMATION

Further information : This product has no known adverse effect on human health.

12. ECOLOGICAL INFORMATION**Further information on ecology**

Additional ecological information : This product has no known ecotoxicological effects.

13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION

Further information : Not classified as dangerous goods according to the ADG Code.

15. REGULATORY INFORMATION

Further information : Not classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSMP : No poison schedule number allocated

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Department:

Du Pont (Australia) Pty Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

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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