

**Corian® Joint Adhesive Component A**

Version 4.0

Issue Date : 06/03/2022 Ref. 150000004821
Revision Date : 05/24/2022

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Corian® Joint Adhesive Component A
Product Use : Adhesives and/or sealants, For professional users only.

Restrictions on use : Do not use product for anything outside of the above specified uses.
Manufacturer/Supplier : DuPont
974 Centre Road
Wilmington, Delaware 19805

Product Information : 1-800-387-2122
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : +1-800-424-9300 (outside the U.S. & Canada +1-703-527-3887)

Importer/Distributor : Willis Distribution.
1149 Pioneer Road
Burlington ON L7M 1K5

Telephone : (905) 639-8584

Importer/Distributor : Scodesign Distribution Inc.
18918 Ave Clark-Graham
Baie D'Urfe QC H9X 3R8

Telephone : (514) 765-3414

SECTION 2. HAZARDS IDENTIFICATION**Product hazard category**

Flammable solids	Category 1
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitisation	Category 1
Specific target organ toxicity - single exposure	Category 3

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Label content

Pictogram :



Signal word : Danger

Hazardous warnings : Flammable solid.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.

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Hazardous prevention measures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting equipment.
Avoid breathing dust.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration (% w/w)
Methyl methacrylate	80-62-6	45 - 65%
Propylidynetrimethyl trimethacrylate	3290-92-4	1 - 5%
Methacrylic acid	79-41-4	1 - 2%
2-(2H-Benzotriazol-2-yl)-p-cresol	2440-22-4	1 - 3%

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Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate	52829-07-9	<1%
2,6-di-tert-Butyl-p-cresol	128-37-0	<0.1%

SECTION 4. FIRST AID MEASURES

General advice : No applicable data available.

Inhalation : Remove from exposure, lie down. Consult a physician after significant exposure.

Skin contact : Wash off immediately with soap and plenty of water.

Eye contact : In case of eye contact Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion : If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed : For further information see Section 11.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : No specific intervention is indicated. Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam, Water spray, Dry chemical, Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet

Specific hazards : Hazardous combustion products
Carbon monoxide carbon dioxide.



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Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

Further information : Evacuate personnel and keep upwind of fire. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Wear personal protective equipment.

Environmental precautions : Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Spill Cleanup : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ensure adequate ventilation.

Accidental Release Measures : No applicable data available.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel) : Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Avoid contact with skin and eyes. Use only in well-ventilated areas. Wash hands before breaks and at the end of workday. Keep away from food and drink. Wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. Remove and wash contaminated clothing before re-use.

Handling (Physical Aspects) : Keep product and empty container away from heat and sources of ignition. When using do not smoke.

Dust explosion class : No applicable data available.

Storage : Keep containers tightly closed in a cool, well-ventilated place.

Storage period : No applicable data available.


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Storage temperature : 5 - 23 °C (41 - 73 °F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use sufficient ventilation to keep employee exposure below recommended limits.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Mask with gas filter, type A (EN 141)

Hand protection : Material: Rubber gloves

Eye protection : Safety glasses

Exposure Guidelines

Exposure Limit Values

Methyl methacrylate			
TLV	(ACGIH)	50 ppm	8-hour, time-weighted average
TLV	(ACGIH)	100 ppm	Short-term exposure limit

Propylidynetrimethyl trimethacrylate

No applicable data available.

Methacrylic acid

TLV	(ACGIH)	20 ppm	8-hour, time-weighted average
AEL *	(DuPont)	10 ppm	8 & 12 hr. TWA

2-(2H-Benzotriazol-2-yl)-p-cresol

No applicable data available.

Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate

No applicable data available.

2,6-di-tert-Butyl-p-cresol

TLV	(ACGIH)	2 mg/m3	8-hour, time-weighted average Inhalable fraction and vapor
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* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Form	: solid
Color	: various, coloured
Odor	: pungent, acrylic-like
Odor threshold	: not determined
pH	: Not applicable
Melting point/freezing point	: Melting point/range not determined
Boiling point/boiling range	: Boiling point/boiling range 101 °C (214 °F)
Flash point	: 9 °C
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: The substance or mixture is a flammable solid with the category 1.
Upper explosion limit	: 12.5 vol%
Lower explosion limit	: 2.1 vol%
Vapor pressure	: 47 hPa at 20 °C (68 °F)
Vapour density	: No applicable data available.
Density	: 1 g/cm ³ at 20 °C (68 °F)
Specific gravity (Relative	: No applicable data available.

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density)

Water solubility : immiscible

Solubility(ies) : No applicable data available.

Partition coefficient: n-octanol/water : No applicable data available.

Auto-ignition temperature : not auto-flammable

Ignition temperature : 430 °C

Decomposition temperature : No applicable data available.

Viscosity, kinematic : No applicable data available.

Viscosity, dynamic : No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No applicable data available.

Conditions to avoid : Heat Exposure to sunlight.

Incompatible materials : Reducing agents Oxidizing agents

Hazardous decomposition products : Hazardous decomposition products, Carbon dioxide (CO₂), Carbon monoxide, Carbon oxides, Smoke, acrid fumes, Acrylic monomers**SECTION 11. TOXICOLOGICAL INFORMATION**

Methyl methacrylate

Inhalation 4 h LC50 : 29.8 mg/l , Rat



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Target Organs: Respiratory system

Dermal LD50 : > 5,000 mg/kg , Rabbit

Oral LD50 : 6,550 mg/kg , Rabbit

Skin irritation : Severe skin irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Skin sensitization : May cause sensitisation by skin contact., Guinea pig

Does not cause respiratory sensitisation., human

Repeated dose toxicity : Oral
Rat
-

NOAEL: > 3300,
No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.



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Mutagenicity : Animal testing did not show any mutagenic effects.

Reproductive toxicity : No toxicity to reproduction
No effects on or via lactation
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Propylidynetrimethyl trimethacrylate

Dermal LD50 : > 2,000 mg/kg , Rat

Oral LD50 : > 2,000 mg/kg , Rat

Skin irritation : Slight or no skin irritation, Rabbit
Minimal effects that do not meet the threshold for classification.

Eye irritation : Slight or no eye irritation, Rabbit
Minimal effects that do not meet the threshold for classification.

Skin sensitization : Does not cause skin sensitisation., Guinea pig

Repeated dose toxicity : Ingestion

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Rat

- 90 d

NOAEL: 300 mg/kg

LOAEL: 1,000 mg/kg Method: OECD Test Guideline 408

No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.

Mutagenicity : Animal testing did not show any mutagenic effects.
Did not cause genetic damage in cultured bacterial cells.
Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

Reproductive toxicity : No toxicity to reproduction
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Methacrylic acid

Inhalation 4 h LC50 : 3.4 mg/l , Rat

Target Organs: Respiratory system
eye effects

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Respiratory effects

Central nervous system effects

Dermal Acute toxicity : 300 mg/kg , Rabbit
estimate

Oral LD50 : 1,320 mg/kg , Rat

Skin irritation : Corrosive after 3 minutes or less of exposure, Rabbit

Eye irritation : Corrosive, Rabbit

Skin sensitization : Does not cause skin sensitisation., Guinea pig

Does not cause respiratory sensitisation., Not tested on animals

Repeated dose toxicity : Inhalation
Rat

-

NOAEL: 0.352 mg/l Method: OECD Test Guideline 413

No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.

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Animal testing did not show any carcinogenic effects.

Mutagenicity : Animal testing did not show any mutagenic effects.
Did not cause genetic damage in cultured mammalian cells.
Genetic damage in cultured bacterial cells was observed in some laboratory tests but not in others.

Reproductive toxicity : No toxicity to reproduction
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

2-(2H-Benzotriazol-2-yl)-p-cresol

Inhalation 4 h LC50 : 163 mg/l , Rat

Dermal LD50 : > 2,000 mg/kg , Rat

Oral LD50 : 10,000 mg/kg , Rat

Skin irritation : No skin irritation, Rat

Eye irritation : No eye irritation, Rabbit

Skin sensitization : Probability or evidence of low to moderate skin sensitisation rate in



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humans, Guinea pig

Repeated dose toxicity : Oral
Rat
-

NOAEL: 500 mg/kg Method: OECD Test Guideline 408

Organ weight changes

Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.

Mutagenicity : Animal testing did not show any mutagenic effects.
Did not cause genetic damage in cultured bacterial cells.

Reproductive toxicity : No toxicity to reproduction
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate

Dermal LD50 : > 3,170 mg/kg , Rat

Oral LD50 : 3,700 mg/kg , Rat



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Skin irritation : No skin irritation, Rabbit

Eye irritation : Irreversible effects on the eye, Rabbit

Skin sensitization : Does not cause skin sensitisation., Guinea pig

Repeated dose toxicity : Ingestion
Rat
- 90 d
NOAEL: > 277 mg/kg Method: OECD Test Guideline 408
No toxicologically significant effects were found.

Carcinogenicity : no data available

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Evidence suggests this substance does not cause genetic damage in animals.

Reproductive toxicity : No toxicity to reproduction

Teratogenicity : No toxicity to reproduction

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2,6-di-tert-Butyl-p-cresol

Dermal LD50 : > 2,000 mg/kg , Rat

Oral LD50 : > 2,390 mg/kg , Rat

Skin irritation : No skin irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Skin sensitization : Does not cause skin sensitisation., human

Repeated dose toxicity : Oral

Rat

-

NOAEL: 250 mg/kg

LOAEL: 500 mg/kg

Kidney effects, Liver effects

Carcinogenicity : Not classifiable as a human carcinogen.
Overall weight of evidence indicates that the substance is not carcinogenic.

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Mutagenicity : Animal testing did not show any mutagenic effects.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity : No toxicity to reproduction
No effects on or via lactation
Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

Material	IARC
Titanium dioxide	2B
Carbon black	2B

SECTION 12. ECOLOGICAL INFORMATION**Aquatic Toxicity****Methyl methacrylate**

96 h LC50

: Oncorhynchus mykiss (rainbow trout) > 79 mg/l


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72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) > 110 mg/l OECD Test Guideline 201
72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) 110 mg/l OECD Test Guideline 201
48 h EC50	:	Daphnia magna (Water flea) 69 mg/l see user defined free text
35 d	:	NOEC Danio rerio (zebra fish) 9.4 mg/l OECD Test Guideline 210
21 d	:	NOEC Daphnia magna (Water flea) 37 mg/l OECD Test Guideline 211

Propylidynetrimethyl trimethacrylate

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 2 mg/l OECD Test Guideline 203
72 h EC50	:	Pseudokirchneriella subcapitata (green algae) 3.88 mg/l OECD Test Guideline 201
72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) 0.177 mg/l OECD Test Guideline 201
48 h LC50	:	Daphnia magna (Water flea) > 9.22 mg/l OECD Test Guideline 202
32 d	:	NOEC Pimephales promelas (fathead minnow) 0.138 mg/l OECD Test Guideline 210

Methacrylic acid

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 85 mg/l
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) 45 mg/l
72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) 8.2 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 130 mg/l
35 d	:	NOEC Danio rerio (zebra fish) 10 mg/l
21 d	:	NOEC Daphnia magna (Water flea) 53 mg/l

2-(2H-Benzotriazol-2-yl)-p-cresol

96 h LC50	:	Fish > 100 mg/l OECD Test Guideline 203
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72 h ErC50 : Desmodesmus subspicatus (green algae) > 100 mg/l Directive 67/548/EEC, Annex V, C.3.

72 h NOEC : Desmodesmus subspicatus (green algae) 33 mg/l

21 d : NOEC Daphnia magna (Water flea) 0.013 mg/l OECD Test Guideline 211

Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate

96 h LC50 : Lepomis macrochirus (Bluegill sunfish) 4.4 mg/l OECD Test Guideline 203

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 1.1 mg/l OECD Test Guideline 201

72 h NOEC : Pseudokirchneriella subcapitata (green algae) 0.05 mg/l OECD Test Guideline 201

48 h EC50 : Daphnia magna (Water flea) 8.58 mg/l OECD Test Guideline 202

21 d : NOEC Daphnia magna (Water flea) 0.23 mg/l OECD Test Guideline 211

2,6-di-tert-Butyl-p-cresol

96 h LC50 : Danio rerio (zebra fish) 0.57 mg/l

72 h ErC50 : Desmodesmus subspicatus (green algae) > 0.4 mg/l Directive 67/548/EEC, Annex V, C.3.

48 h EC50 : Daphnia magna (Water flea) 0.61 mg/l OECD Test Guideline 202

21 d : NOEC Daphnia magna (Water flea) 0.316 mg/l

Environmental Fate
Methyl methacrylate

Biodegradability : rapidly biodegradable OECD Test Guideline 301C
 Readily biodegradable.

Bioaccumulation : Bioaccumulation is unlikely.

Propylidynetrimethyl trimethacrylate

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Biodegradability : Not biodegradable OECD Test Guideline 301
Not readily biodegradable.

Bioaccumulation : Bioaccumulation is unlikely.

2-(2H-Benzotriazol-2-yl)-p-cresol

Bioaccumulation : OECD Test Guideline 305C
Bioaccumulation is unlikely.

Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate

Biodegradability : Not biodegradable 10 - 24 % OECD Test Guideline 301

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : Do not dispose of together with household waste. Do not flush into surface water or sanitary sewer system. In accordance with local and national regulations.

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

TDG_ROAD_C	UN number	: 1325
	Proper shipping name	: FLAMMABLE SOLID, ORGANIC, N.O.S. (Methyl methacrylate)
	Class	: 4.1
	Packing group	: II
	Labelling No.	: 4.1
TDG_RAIL_C	UN number	: 1325
	Proper shipping name	: FLAMMABLE SOLID, ORGANIC, N.O.S. (Methyl methacrylate)
	Class	: 4.1
	Packing group	: II
	Labelling No.	: 4.1
IATA_C	UN number	: 1325

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IMDG	Proper shipping name	: Flammable solid, organic, n.o.s. (Methyl methacrylate)
	Class	: 4.1
	Packing group	: II
	Labelling No.	: 4.1
	UN number	: 1325
	Proper shipping name	: FLAMMABLE SOLID, ORGANIC, N.O.S. (Methyl methacrylate)
	Class	: 4.1
	Packing group	: II
	Labelling No.	: 4.1

SECTION 15. REGULATORY INFORMATION

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION

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Before use read DuPont's safety information.

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