SAFETY DATA SHEET

Corian® Joint Adhesive Component A

Version 3.0
Document no. 150000004821

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® Joint Adhesive Component A

Recommended use of the chemical and restriction on use
Recommended 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, importer, supplier, representative office
Company : Du Pont (Australia) Pty Ltd
Street address : 7 Eden Park Drive
Macquarie Park NSW 2113
Australia
Telephone : (02) 9923 6111
Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency); (24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification
Flammable liquids : Category 2
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A
Skin sensitisation : Category 1
Specific target organ : Category 3 (Respiratory system)
toxicity - single exposure
Acute aquatic toxicity : Category 3
Chronic aquatic toxicity : Category 3

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

Label content
Pictogram :

Signal word : Danger
Hazardous warnings:
- Highly flammable liquid and vapour.
- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause respiratory irritation.
- Harmful to aquatic life with long lasting effects.

Precautionary statements:
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- 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.
- Avoid release to the environment.
- Wear protective gloves/eye protection/face protection.

IF ON SKIN (or hair):
- Take off immediately all contaminated clothing.
- Rinse skin with water/shower.

IF INHALED:
- Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician 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 before reuse.
- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a secure area.
- Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature**: Mixture

**Components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>80-62-6</td>
<td>45 - 65%</td>
</tr>
<tr>
<td>Propylidynetrimethyl trimethacrylate</td>
<td>3290-92-4</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>79-41-4</td>
<td>1 - 3%</td>
</tr>
<tr>
<td>2,6-di-tert-Butyl-p-cresol</td>
<td>128-37-0</td>
<td>0.1 - 1%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

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

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

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

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

Specific extinguishing methods: No information available.

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

Hazchem Code: 3YE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: 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.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling
Technical measures/Precautions: 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.

Precautions for safe handling: Keep product and empty container away from heat and sources of ignition. When using do not smoke.

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

Storage period: Storage temperature: 5 - 23 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Applicable occupational exposure limits are listed below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Occupational Exposure Limits</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>50 ppm 208 mg/m3</td>
<td>AU NOEL (12 2011)</td>
</tr>
<tr>
<td>STEL</td>
<td>100 ppm 416 mg/m3</td>
<td>AU NOEL (12 2011)</td>
</tr>
<tr>
<td>TWA</td>
<td>50 ppm</td>
<td>US ACGIH (2011)</td>
</tr>
<tr>
<td>STEL</td>
<td>100 ppm</td>
<td>US ACGIH (2011)</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>20 ppm 70 mg/m3</td>
<td>AU NOEL (12 2011)</td>
</tr>
<tr>
<td>TWA</td>
<td>20 ppm</td>
<td>US ACGIH (2011)</td>
</tr>
<tr>
<td>2,6-di-tert-Butyl-p-cresol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>10 mg/m3</td>
<td>AU NOEL (12 2011)</td>
</tr>
<tr>
<td>TWA</td>
<td>2 mg/m3 (Inhalable fraction and vapor.)</td>
<td>US ACGIH (2011)</td>
</tr>
</tbody>
</table>

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

Biological occupational exposure limits: No information available.

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

Skin protection: No information available.
Hygiene measures: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)
- Physical state: liquid
- Form: viscous liquid
- Colour: various, coloured

Odour: pungent acrylic-like
Odour Threshold: not determined
pH: Not applicable

Melting point/freezing point
- Melting point/range: not determined

Initial boiling point and boiling range
- Boiling point/boiling range: 101 °C

Flash point: 10 °C
Evaporation rate: No information available.

Flammability (solid, gas): Not applicable

Upper/lower flammability or explosive limits
- Upper explosion limit: 12.5 vol%
- Lower explosion limit: 2.1 vol%

Vapour pressure: 47 hPa (20 °C)
Vapour density: No information available.

Density
- Density: 1 g/cm³ (20 °C)

Solubility(ies)
- Water solubility: immiscible

Partition coefficient: n-octanol/water: No information available.

Auto-ignition temperature
- Auto-ignition temperature: not auto-flammable
- Ignition temperature: 430 °C

Decomposition temperature: No information available.

Viscosity
Viscosity, kinematic: No information available.
Molecular weight: No information available.

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 information available.
Conditions to avoid: Heat Exposure to sunlight.
Materials to avoid: Reducing agents, Oxidizing agents
Hazardous decomposition products: Hazardous decomposition products, Carbon dioxide (CO2), Carbon monoxide, Carbon oxides, Smoke, acrid fumes, Acrylic monomers

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral
Methyl methacrylate: LD50/Rabbit: 6,550 mg/kg
Propylidynetrimethyl trimethacrylate: LD50/Rat: > 2,000 mg/kg
Method: OECD Test Guideline 423
The substance or mixture has no acute oral toxicity
Methacrylic acid: LD50/Rat: 1,320 mg/kg
Method: OECD Test Guideline 401
2,6-di-tert-Butyl-p-cresol: LD50/Rat: > 2,390 mg/kg
Method: OECD Test Guideline 401
The substance or mixture has no acute oral toxicity
Inhalation
Methyl methacrylate: LC50/4 h/Rat(vapour): 29.8 mg/l
Target Organs: Respiratory system
The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.
Propylidynetrimethyl trimethacrylate: Toxic effects cannot be excluded
Methacrylic acid: LC50/4 h/Rat(dust/mist): 3.4 mg/l
Method: OECD Test Guideline 403
Target Organs: Respiratory system
The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.
eye effects, Respiratory effects, Central nervous system effects
2,6-di-tert-Butyl-p-cresol: Toxic effects cannot be excluded
Dermal
Methyl methacrylate: LD50/Rabbit: > 5,000 mg/kg
The substance or mixture has no acute dermal toxicity
Propylidynetrimethyl trimethacrylate: LD50/Rat: > 2,000 mg/kg
Method: OECD Test Guideline 402
The substance or mixture has no acute dermal toxicity
Methacrylic acid: Acute toxicity estimate/Rabbit: 300 mg/kg
Method: Expert judgement
2,6-di-tert-Butyl-p-cresol: LD50/Rat: > 2,000 mg/kg
Method: OECD Test Guideline 402
The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Species</th>
<th>Result</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>Rabbit</td>
<td>Severe skin irritation</td>
<td>Irritating to skin.</td>
</tr>
<tr>
<td>Propyldynetrimethyltrimethacrylate</td>
<td>Rabbit</td>
<td>No skin irritation</td>
<td>No skin irritation</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>Rabbit</td>
<td>Corrosive after 3 minutes or less of exposure</td>
<td>Causes severe burns.</td>
</tr>
<tr>
<td>2,6-di-tert-Butyl-p-cresol</td>
<td>Rabbit</td>
<td>No skin irritation</td>
<td>Not classified as irritant.</td>
</tr>
</tbody>
</table>

**Serious eye damage/eye irritation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Species</th>
<th>Result</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>Rabbit</td>
<td>No eye irritation</td>
<td>Not classified as irritant.</td>
</tr>
<tr>
<td>Propyldynetrimethyltrimethacrylate</td>
<td>Rabbit</td>
<td>No eye irritation</td>
<td>Not classified as irritant.</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>Rabbit</td>
<td>Corrosive</td>
<td>Corrosive</td>
</tr>
<tr>
<td>2,6-di-tert-Butyl-p-cresol</td>
<td>Rabbit</td>
<td>No eye irritation</td>
<td>Not classified as irritant.</td>
</tr>
</tbody>
</table>

**Respiratory or skin sensitisation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Species</th>
<th>Result</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>Guinea pig</td>
<td>May cause sensitisation by skin contact.</td>
<td>May cause sensitisation by skin contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>Guinea pig</td>
<td>Does not cause respiratory sensitisation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propyldynetrimethyltrimethacrylate</td>
<td>Guinea pig</td>
<td>Does not cause skin sensitisation.</td>
<td></td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>Guinea pig</td>
<td>Does not cause skin sensitisation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human</td>
<td>Does not cause respiratory sensitisation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Does not cause skin sensitisation.</td>
<td></td>
</tr>
</tbody>
</table>

Species: Not tested on animals
2,6-di-tert-Butyl-p-cresol

Result: Does not cause respiratory sensitisation.
Classification: Does not cause respiratory sensitisation.

Germ cell mutagenicity
Methyl methacrylate
Animal testing did not show any mutagenic effects.

Propylidynetrimethyl trimethacrylate
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.

Methacrylic acid
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.

2,6-di-tert-Butyl-p-cresol
Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

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

Propylidynetrimethyl trimethacrylate
Animal testing did not show any carcinogenic effects.

Methacrylic acid
Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.

2,6-di-tert-Butyl-p-cresol
Overall weight of evidence indicates that the substance is not carcinogenic.

Reproductive toxicity
Methyl methacrylate
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
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
Reproductive toxicity: No toxicity to reproduction
Animal testing showed no reproductive toxicity.
Teratogenicity: Animal testing showed no developmental toxicity.

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

Specific Target Organ Toxicity
Specific target organ toxicity - single exposure
Methyl methacrylate
Target Organs: Respiratory system
Propyldiyne trimethylmethacrylate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Methacrylic acid: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Specific target organ toxicity - repeated exposure

Methyl methacrylate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Propyldiyne trimethylmethacrylate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Methacrylic acid: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Propyldiyne trimethylmethacrylate: No aspiration toxicity classification

Methacrylic acid: No aspiration toxicity classification

2,6-di-tert-Butyl-p-cresol: No aspiration toxicity classification

Other

Methyl methacrylate: Repeated dose toxicity:
Oral/Rat
NOAEL: > 3300,
No toxicologically significant effects were found.

Propyldiyne trimethylmethacrylate: Repeated dose toxicity:
Ingestion/Rat 54 d
NOAEL: > 900 mg/kg
Method: OECD Test Guideline 422
No toxicologically significant effects were found.
Skin contact/Mouse 80 Weeks
NOAEL: 833 mg/kg
No toxicologically significant effects were found.

Methacrylic acid: Repeated dose toxicity:
Inhalation/Rat
NOAEL: 0.352 mg/l
Method: OECD Test Guideline 413
No toxicologically significant effects were found.

2,6-di-tert-Butyl-p-cresol: Repeated dose toxicity:
Oral/Rat
NOAEL: 250 mg/kg
LOAEL: 500 mg/kg
Kidney effects, Liver effects

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
Acute and prolonged toxicity to fish
Methyl methacrylate: LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 79 mg/l
Propylidynetrimethyl trimethacrylate: LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2 mg/l
Methacrylic acid: LC50/96 h/Oncorhynchus mykiss (rainbow trout): 85 mg/l
2,6-di-tert-Butyl-p-cresol: LC50/96 h/Danio rerio (zebra fish): 0.57 mg/l

Toxicity to aquatic plants
Methyl methacrylate: ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 110 mg/l
Propylidynetrimethyl trimethacrylate: ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 3.88 mg/l
Methacrylic acid: ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 45 mg/l
2,6-di-tert-Butyl-p-cresol: ErC50/72 h/Desmodesmus subspicatus (green algae): > 0.4 mg/l

Acute toxicity to aquatic invertebrates
Methyl methacrylate: EC50/48 h/Daphnia magna (Water flea): 69 mg/l
Propylidynetrimethyl trimethacrylate: EC50/48 h/Daphnia magna (Water flea): > 9.22 mg/l
Methacrylic acid: EC50/48 h/Daphnia magna (Water flea): > 130 mg/l
2,6-di-tert-Butyl-p-cresol: EC50/48 h/Daphnia magna (Water flea): 0.61 mg/l

Chronic toxicity to fish
Methyl methacrylate: NOEC/35 d/Danio rerio (zebra fish): 9.4 mg/l
Propylidynetrimethyl trimethacrylate: NOEC/32 d/Pimephales promelas (fathead minnow): 0.138 mg/l
Methacrylic acid: NOEC/35 d/Danio rerio (zebra fish): 10 mg/l

Chronic toxicity to aquatic Invertebrates
Methyl methacrylate: NOEC/21 d/Daphnia magna (Water flea): 37 mg/l
Methacrylic acid: NOEC/21 d/Daphnia magna (Water flea): 53 mg/l
2,6-di-tert-Butyl-p-cresol: NOEC/21 d/Daphnia magna (Water flea): 0.316 mg/l

Persistence and degradability
Methyl methacrylate: Result: rapidly biodegradable
Propylidynetrimethyl trimethacrylate: Result: Not biodegradable
Methacrylic acid: Result: rapidly biodegradable
2,6-di-tert-Butyl-p-cresol: Result: Not biodegradable

Bioaccumulation
Methyl methacrylate: Bioaccumulation is unlikely.
Propylidynetrimethyl trimethacrylate: Bioaccumulation is unlikely.
Mobility in soil
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: 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.

14. TRANSPORT INFORMATION

ADG
UN number: 1133
UN proper shipping name: ADHESIVES
Transport hazard class: 3
Packing group: II
Hazchem Code: .3YE

IMDG
UN number: 1133
UN proper shipping name: ADHESIVES
Transport hazard class: 3
Packing group: II
Marine pollutant: no

IATA
UN number: 1133
UN proper shipping name: ADHESIVES
Transport hazard class: 3
Packing group: II

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: Schedule 6

16. OTHER INFORMATION

References
Corian® Joint Adhesive Component A

Revision Date/Version
Date of first preparation : 08.01.2018
Revision Date : 16.01.2018
Version : 3.0

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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