



## DuPont™ Joint Adhesive - Component B

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

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 : DuPont™ Joint Adhesive - Component B  
 Use of the : Adhesives  
 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** : Adhesives  
**Components**

Chemical Name	CAS-No.	Concentration
Mixture of Benzoate Esters		75 - 95%
Polyvinyl acetate	9003-20-7	5 - 20%
Silicon dioxide, amorphous	7631-86-9	1 - 10%
Dibenzoyl peroxide	94-36-0	0 - 5%

### 3. HAZARDS IDENTIFICATION

#### Hazardous classification

Not classified as dangerous goods according to the ADG Code.  
 Classified as hazardous according to criteria of NOHSC.

#### Risks

May cause sensitisation by skin contact.

#### Safety data

Avoid contact with skin.  
 Wear suitable gloves.

### 4. FIRST AID MEASURES

General advice : Never give anything by mouth to an unconscious person.

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 : Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Keep eye wide open while rinsing.


**DuPont™ Joint Adhesive - Component B**

Version 3.0

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Ingestion : Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. Do not induce vomiting without medical advice.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

Specific hazards during firefighting : Hazardous combustion products  
Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

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.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Ensure adequate ventilation. Remove all sources of ignition.

Environmental precautions : Prevent product from entering drains.

Methods for cleaning up : Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean with detergents. Avoid solvents.

**7. HANDLING AND STORAGE**
**Handling**

Advice on safe handling : 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.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition. When using do not smoke.

**Storage**

Requirements for storage areas and containers : Keep tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : No materials to be especially mentioned.

Storage temperature : < 30 °C


**DuPont™ Joint Adhesive - Component B**

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

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

Chemical Name	Occupational Exposure Limits		Regulation
	TWA	2 mg/m3 (Respirable fraction.)	
Silicon dioxide, amorphous	TWA	2 mg/m3 (Respirable fraction.)	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Dibenzoyl peroxide	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

**Engineering measures**

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.
- Hand protection : polyvinylalcohol (PVA) gloves, Nitrile rubber gloves.
- Eye protection : Safety glasses
- Hygiene measures : Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. Wash contaminated clothing before re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : liquid , oily
- Colour : light yellow
- Odour : slight
- Boiling point : 340 °C
- Flash point : > 100 °C
- Thermal decomposition : 103 °C


**DuPont™ Joint Adhesive - Component B**

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

Explosive properties	: Not explosive
Vapour pressure	: 1.3 hPa
Density	: 1.03 - 1.07 g/cm <sup>3</sup>
Water solubility	: 0.03 g/l
Relative vapour density	: 9.6 , (Air = 1.0)

**10. STABILITY AND REACTIVITY**

Materials to avoid	: Oxidizing agents, Strong acids and strong bases, alkalies, Reducing agents
Hazardous decomposition products	: No information available.
Hazardous reactions	: No decomposition if used as directed.

**11. TOXICOLOGICAL INFORMATION**
**Acute oral toxicity**

- Mixture of Benzoate Esters : LD50/rat : > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Information given is based on data obtained from similar substances.
- Polyvinyl acetate : LD50/rat : > 5,000 mg/kg
- Silicon dioxide, amorphous : LD50/rat : > 10,000 mg/kg
- Dibenzoyl peroxide : ALD/rat : > 5,000 mg/kg  
cardiovascular system effects

**Acute inhalation toxicity**

- Mixture of Benzoate Esters : LC50/4 h/rat : > 200 mg/l  
Method: OECD Test Guideline 403  
Information given is based on data obtained from similar substances.
- Polyvinyl acetate : LC50/4 h/dog : > 11.02 mg/l
- Silicon dioxide, amorphous : An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
- Dibenzoyl peroxide : ALC - Approximate Lethal Concentration/4 h/rat : > 24.3 mg/l  
Breathing difficulties  
Incoordination  
eye effects

**Acute dermal toxicity**

- Mixture of Benzoate Esters : LD50/rat : > 2,000 mg/kg  
Method: OECD Test Guideline 402


**DuPont™ Joint Adhesive - Component B**

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

Information given is based on data obtained from similar substances.

- Silicon dioxide, amorphous : LD50/rabbit : > 5,000 mg/kg

## Skin irritation

- Mixture of Benzoate Esters : rabbit  
Classification: Not classified as irritant Result: No skin irritation Method: OECD Test Guideline 404

Information given is based on data obtained from similar substances.

- Silicon dioxide, amorphous : rabbit  
Classification: Not classified as irritant Result: No skin irritation
- Dibenzoyl peroxide : Mild skin irritation

## Eye irritation

- Mixture of Benzoate Esters : rabbit  
Classification: Not classified as irritant Result: No eye irritation Method: OECD Test Guideline 405 Information given is based on data obtained from similar substances.

- Silicon dioxide, amorphous : rabbit  
Classification: Not classified as irritant Result: No eye irritation

- Dibenzoyl peroxide : rabbit irritant

## Sensitisation

- Mixture of Benzoate Esters : Maximisation Test guinea pig Classification: Does not cause skin sensitisation. Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406 Information given is based on data obtained from similar substances.

- Polyvinyl acetate : human Classification: Does not cause skin sensitisation. Result: Patch test on human volunteers did not demonstrate sensitisation properties.

- Silicon dioxide, amorphous : human Classification: Not a skin sensitizer. Result: Does not cause skin sensitisation. Patch test on human volunteers did not demonstrate sensitisation properties.

Result: Does not cause respiratory sensitisation.

- Dibenzoyl peroxide : human May cause sensitisation by skin contact.

## Repeated dose toxicity

- Mixture of Benzoate Esters : Oral, multiple species  
No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

- Polyvinyl acetate : Inhalation, rat  
No toxicologically significant effects were found.

Oral, multiple species


**DuPont™ Joint Adhesive - Component B**

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

- No toxicologically significant effects were found.
- Dermal, rat  
No toxicologically significant effects were found.
- Silicon dioxide, amorphous : Oral, rat  
No toxicologically significant effects were found.
- Inhalation, multiple species  
Reversible, Respiratory Tract, Inflammation
- Dibenzoyl peroxide : Dermal,  
Skin, Inflammation
- Oral, rat  
Organ weight changes, Testes
- Mutagenicity assessment**
- Mixture of Benzoate Esters : Evidence suggests this substance does not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Information given is based on data obtained from similar substances.
  - Polyvinyl acetate : Evidence suggests this substance does not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
  - Silicon dioxide, amorphous : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in cultured bacterial cells.
  - Dibenzoyl peroxide : Did not cause genetic damage in cultured bacterial cells. Caused genetic damage in cultured mammalian cells.
- Carcinogenicity assessment**
- Polyvinyl acetate : Animal testing did not show any carcinogenic effects.
  - Silicon dioxide, amorphous : Overall weight of evidence indicates that the substance is not carcinogenic.
- Toxicity to reproduction assessment**
- Mixture of Benzoate Esters : Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
  - Silicon dioxide, amorphous : Evidence suggests the substance is not a reproductive toxin in animals.
  - Dibenzoyl peroxide : Pathologic effects on reproductive organs
- Assessment teratogenicity**
- Mixture of Benzoate Esters : Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances.
  - Silicon dioxide, amorphous : Evidence suggests the substance is not a developmental toxin in animals.
  - Dibenzoyl peroxide : Animal testing showed effects on embryo-foetal development at levels below those causing maternal toxicity. Reduced growth


**DuPont™ Joint Adhesive - Component B**

Version 3.0

Revision Date 20.06.2013

Ref. 150000002820

**12. ECOLOGICAL INFORMATION**
**Toxicity to fish**

- Mixture of Benzoate Esters : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2.9 mg/l  
Method: OECD Test Guideline 203  
Information given is based on data obtained from similar substances.
- Silicon dioxide, amorphous : Aquatic toxicity is unlikely due to low solubility.
- Dibenzoyl peroxide : LC50/96 h/Cyprinodontidae (killifish): 0.24 mg/l

**Toxicity to algae**

- Mixture of Benzoate Esters : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 10.94 mg/l  
Method: OECD Test Guideline 201  
Information given is based on data obtained from similar substances.  
  
EbC50/72 h/Pseudokirchneriella subcapitata (green algae): 5.2 mg/l  
Method: OECD Test Guideline 201  
Information given is based on data obtained from similar substances.
- Dibenzoyl peroxide : ErC50/72 h/Pseudokirchneriella subcapitata: 0.44 mg/l  
  
EbC50/72 h/Pseudokirchneriella subcapitata: 0.07 mg/l

**Aquatic toxicity**

- Mixture of Benzoate Esters : EC50/48 h/Daphnia magna (Water flea): 6.7 mg/l  
Method: OECD Test Guideline 202  
Information given is based on data obtained from similar substances.
- Dibenzoyl peroxide : EC50/48 h/Daphnia magna (Water flea): 0.07 mg/l

**13. DISPOSAL CONSIDERATIONS**

- Product : Do not dispose of waste into sewer. Dispose of as special waste in compliance with local and national regulations.
- Contaminated packaging : If recycling is not practicable, dispose of in compliance with local regulations.

**14. TRANSPORT INFORMATION**

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

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Version 3.0

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**15. REGULATORY INFORMATION****Labelling**

Symbol(s)	:	Xi	Irritant
Hazardous components	:	Dibenzoyl peroxide	
R-phrases(s)	:	R43	May cause sensitisation by skin contact.
S-phrases(s)	:	S24 S37	Avoid contact with skin. Wear suitable gloves.
Further information	:	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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Version 3.0

Revision Date 20.06.2013

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