



**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DuPont™ Joint Adhesive - Component B  
 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  
 Building Innovations  
 974 Centre Road  
 Wilmington, Delaware 19805

Product Information : 1-302-774-1000  
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
 Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

Other information : professional use

**SECTION 2. HAZARDS IDENTIFICATION**

**Product hazard category**  
 Skin sensitisation Category 1

**Label content**  
 Pictogram :



Signal word : Warning


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

Hazardous warnings : May cause an allergic skin reaction.

Hazardous prevention measures : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/ attention.  
 Wash contaminated clothing before reuse.  
 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 9.9999 %

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	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 %

**SECTION 4. FIRST AID MEASURES**

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


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

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.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. Do not induce vomiting without medical advice.
Most important symptoms/effects, acute and delayed	: No applicable data available.
Protection of first-aiders	: No applicable data available.
Notes to physician	: No applicable data available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: 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.

**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)	: Ensure adequate ventilation. Remove all sources of ignition.
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## DuPont™ Joint Adhesive - Component B

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

- Environmental precautions : Prevent product from entering drains.
- Spill Cleanup : Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean with detergents. Avoid solvents.
- 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, drink and animal feedingstuffs. 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 tightly closed in a dry, cool and well-ventilated place. No materials to be especially mentioned.
- Storage period : No applicable data available.
- Storage temperature : < 30 °C (< 86 °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.
- Hand protection : Additional protection: Rubber gloves
- Eye protection : Safety glasses
- Exposure Guidelines
- Exposure Limit Values



**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

Silicon dioxide, amorphous  
 Permissible (OSHA) 20 millions of particles per cubic foot of air TWA  
 exposure limit:

Permissible (OSHA) 0.8 mg/m3 TWA  
 exposure limit:

Remarks  
 The exposure limit is calculated from the equation,  $80/(\%SiO_2)$ , using a value of 100% SiO<sub>2</sub>. Lower values of % SiO<sub>2</sub> will give higher exposure limits.

Dibenzoyl peroxide  
 Permissible (OSHA) 5 mg/m3 8 hr. TWA  
 exposure limit:

TLV (ACGIH) 5 mg/m3 TWA

\* 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**

Appearance

Physical state : liquid  
 Form : liquid, oily  
 Color : light yellow

Odor : slight

Odor threshold : No applicable data available.

pH : No applicable data available.

Melting point/range : No applicable data available.

Boiling point/boiling range : Boiling point  
 340 °C (644 °F)

**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

Flash point	: > 100 °C closed cup
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: No applicable data available.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
Vapor pressure	: 1.3 hPa
Vapor density	: 9.6 (Air = 1.0)
Density	: 1.03 - 1.07 g/cm <sup>3</sup>
Specific gravity (Relative density)	: No applicable data available.
Water solubility	: 0.03 g/l
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Auto-ignition temperature	: No applicable data available.
Decomposition temperature	: 103 °C
Viscosity, kinematic	: No applicable data available.
Viscosity	: No applicable data available.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No applicable data available.
Chemical stability	: No decomposition if used as directed.
Possibility of hazardous reactions	: No applicable data available.


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

Conditions to avoid : No applicable data available.  
 Incompatible materials : Oxidizing agents Strong acids and strong bases, alkalies, Reducing agents  
 Hazardous decomposition products : No applicable data available.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Mixture of Benzoate Esters**

Inhalation 4 h LC50 : > 200 mg/l , Rat  
 Information given is based on data obtained from similar substances.

Dermal LD50 : > 2,000 mg/kg , Rat  
 Information given is based on data obtained from similar substances.

Oral LD50 : 4,190 mg/kg , Rat  
 Information given is based on data obtained from similar substances.

Skin irritation : No skin irritation, Rabbit  
 Information given is based on data obtained from similar substances.

Eye irritation : No eye irritation, Rabbit  
 Information given is based on data obtained from similar substances.

Skin sensitization : Does not cause skin sensitisation., Guinea pig  
 Information given is based on data obtained from similar substances.

Repeated dose toxicity : Ingestion  
 Rat  
 - 90 d  
 NOAEL: 1,000 mg/kg  
 LOAEL: 1,750 mg/kg Method: OECD Test Guideline 408  
 No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Information given is based on data obtained from similar substances.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Evidence suggests this substance does not cause genetic damage in animals.  
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Reproductive toxicity : No toxicity to reproduction


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

Animal testing showed no reproductive toxicity.  
 No effects on or via lactation  
 Information given is based on data obtained from similar substances.

Teratogenicity : Evidence suggests the substance is not a developmental toxin in animals.  
 Information given is based on data obtained from similar substances.

## Polyvinyl acetate

Inhalation 4 h LC50 : > 11.02 mg/l , Dog

Oral LD50 : > 5,000 mg/kg , Rat

Skin sensitization : Patch test on human volunteers did not demonstrate sensitisation properties., human

Repeated dose toxicity : Inhalation  
 Rat  
 -  
 No toxicologically significant effects were found.

Oral  
 multiple species  
 -  
 No toxicologically significant effects were found.

Dermal  
 Rat  
 -  
 No toxicologically significant effects were found.

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

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

Further information : The substance is a polymer and is not expected to produce toxic effects.

## Silicon dioxide, amorphous

Inhalation : Rat  
 An LC50/inhalation/4h/rat could not be determined because no




**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

mortality of rats was observed at the maximum achievable concentration.

Dermal LD50	:	> 5,000 mg/kg , Rabbit
Oral LD50	:	> 5,000 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: 4,000 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. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	:	No toxicity to reproduction Animal testing showed no reproductive toxicity.
Teratogenicity	:	Animal testing showed no developmental toxicity.
Dibenzoyl peroxide		
Inhalation 4 h LC50	:	> 24.3 mg/l , Rat Central nervous system effects Respiratory effects eye effects
Oral LD50	:	> 5,000 mg/kg , Rat
Skin irritation	:	No skin irritation, Rabbit
Eye irritation	:	Eye irritation, Rabbit
Skin sensitization	:	The product is a skin sensitiser, sub-category 1A., Mouse


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

Repeated dose toxicity	:	Oral Rat - NOAEL: 500 mg/kg Method: see user defined free text No toxicologically significant effects were found.
Carcinogenicity	:	Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.
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 Evidence suggests the substance is not a reproductive toxin in animals.
Teratogenicity	:	Evidence suggests the substance is not a developmental toxin in animals.

**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).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
**Mixture of Benzoate Esters**

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 2.9 mg/l OECD Test Guideline 203 Information given is based on data obtained from similar substances.
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) 10.94 mg/l OECD Test Guideline 201


**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

Information given is based on data obtained from similar substances.

72 h NOEC : Pseudokirchneriella subcapitata (green algae) 2.2 mg/l OECD Test Guideline 201

Information given is based on data obtained from similar substances.

48 h EC50 : Daphnia magna (Water flea) 6.7 mg/l OECD Test Guideline 202  
Information given is based on data obtained from similar substances.

Silicon dioxide, amorphous

96 h LC50 : Danio rerio (zebra fish) 10,000 mg/l OECD Test Guideline 203

72 h ErC50 : Desmodesmus subspicatus (green algae) > 10,000 mg/l OECD Test Guideline 201

Information given is based on data obtained from similar substances.

72 h NOEC : Desmodesmus subspicatus (green algae) 10,000 mg/l  
Information given is based on data obtained from similar substances.

Dibenzoyl peroxide

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 0.602 mg/l OECD Test Guideline 203

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 0.711 mg/l OECD Test Guideline 201

72 h NOEC : Pseudokirchneriella subcapitata (green algae) 0.02 mg/l OECD Test Guideline 201

48 h EC50 : Daphnia magna (Water flea) 0.11 mg/l OECD Test Guideline 202

Environmental Fate

Mixture of Benzoate Esters

Biodegradability : Biodegradable OECD Test Guideline 301  
Information given is based on data obtained from similar substances.

Bioaccumulation : Bioaccumulation is unlikely.  
Information given is based on data obtained from similar substances.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 15000002820

- Waste disposal methods - 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.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

- SARA 313 Regulated Chemical(s) : Dibenzoyl peroxide
- PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Silicon dioxide, amorphous, Dibenzoyl peroxide
- NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Silicon dioxide, amorphous, Dibenzoyl peroxide
- California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

**SECTION 16. OTHER INFORMATION**

- Restrictions for use : Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy



**DuPont™ Joint Adhesive - Component B**

Version 2.0

Revision Date 03/31/2015

Ref. 150000002820

of the DuPont POLICY Regarding Medical Applications and DuPont  
CAUTION Regarding Medical Applications.

Before use read DuPont's safety information.

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Revision Date : 03/31/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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