

DuPont™ Joint Adhesive 2.0 Component B

Version 5.0

Issue Date : 07/31/2018 Ref. 150000004231
Revision Date : 07/31/2018

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 2.0 Component B
Product Use : Adhesives

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 : +1-800-441-7515 (outside the U.S. +1-302-774-1000)
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : +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

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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: 12.8875 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Mixture of Benzoate Esters		75 - 95 %
Dibenzoyl peroxide	94-36-0	0 - 4 %

SECTION 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.

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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 : Not applicable

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 (CO₂)

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.

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.

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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 : <= 24 Months

Storage temperature : 13 - 24 °C (55 - 75 °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

Reaction mass of diethylene glycol dibenzoate, dipropylene glycol dibenzoate and triethylene


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glycol dibenzoate
No applicable data available.

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

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

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Vapor density : 9.6
(Air = 1.0)

Density : 1.16 - 1.18 g/cm³

Specific gravity (Relative density) : 1.16 - 1.18

Water solubility : slightly soluble

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, dynamic : No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Slow decomposition possible.

Possibility of hazardous reactions : Decomposes on heating.

Conditions to avoid : Heat

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO₂), Carbon monoxide
To avoid thermal decomposition, do not overheat.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture of Benzoate Esters
Inhalation 4 h LC₅₀ : > 200 mg/l , Rat



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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.
 Information given is based on data obtained from similar substances.
- Reproductive toxicity : No toxicity to reproduction
 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.
- Dibenzoyl peroxide
 Inhalation 4 h LC50 : > 24.3 mg/l , Rat
 Central nervous system effects

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		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
Repeated dose toxicity	:	Oral Rat - NOAEL: 500 mg/kgMethod: 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

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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
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.

Dibenzoyl peroxide

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) 0.602 mg/l OECD Test Guideline 203
- 72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 0.0711 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
- 21 d : NOEC Daphnia magna (Water flea) 0.001 mg/l OECD Test Guideline 211

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


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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

IATA_C	UN number	: 3082
	Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (Dibenzoyl peroxide)
	Class	: 9
	Packing group	: III
IMDG	Labelling No.	: 9MI
	UN number	: 3082
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibenzoyl peroxide)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9
	Marine pollutant	: yes (Dibenzoyl peroxide)

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA : In compliance with TSCA Inventory requirements for commercial purposes.

SARA 311/312 Hazard classification : Respiratory or skin sensitisation

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): Dibenzoyl peroxide

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NJ Right to Know : Substances on the New Jersey Workplace Hazardous Substance List present
Regulated Chemical(s) at a concentration of 1% or more (0.1% for substances identified as
carcinogens, mutagens or teratogens): Dibenzoyl peroxide

California Prop. 65 : This product does not contain any substances requiring a warning under the
Safe Drinking Water and Toxic Enforcement Act.

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

Before use read DuPont's safety information.

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