



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : DuPont™ Joint Adhesive - Component A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Adhesives and/or sealants, For professional users only.

1.3. Details of the supplier of the safety data sheet

Company : Du Pont de Nemours (Belgium) S.P.R.L.
Antoon Spinoystraat 6
B-2800 Mechelen
Belgium

Telephone : +32-15-441.011

E-mail address : sds-support@che.dupont.com

1.4. Emergency telephone number

Emergency telephone number : +44 (0) 8456 006 640

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation. (Respiratory system)
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.
Highly flammable	R11: Highly flammable.
Sensitising	R43: May cause sensitisation by skin contact.
Irritant	R37/38: Irritating to respiratory system and skin.
Dangerous for the environment	R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819



Danger

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

Special labelling of certain substances and mixtures

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 2.57 %
The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 2.57 %
The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 2.57 %
The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 2.57 %

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

2.3. Other hazards

Vapours may form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

Chemical nature of the mixture : Adhesives
Chemical nature of the mixture : Adhesives

3.1. Substances

Not applicable

3.2. Mixtures



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

Hazardous components

Registration number	Classification according to Directive 67/548/EEC	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration (% w/w)
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Methyl methacrylate (CAS-No.80-62-6) (EC-No.201-297-1)

01-2119452498-28	F;R11 Xi;R37/38 R43	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	>= 25 - < 50 %
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Aluminium hydroxide (CAS-No.21645-51-2) (EC-No.244-492-7) (M-Factor : 1[Acute] 1[Chronic])

	N;R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 20 - < 25 %
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Butyl methacrylate (CAS-No.97-88-1) (EC-No.202-615-1)

	R10 Xi;R36/37/38 R43	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 2; H411	>= 5 - < 10 %
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Propylidynetrimethyl trimethacrylate (CAS-No.3290-92-4) (EC-No.221-950-4)

	N;R51/53	Aquatic Chronic 2; H411	>= 0.25 - < 2.5 %
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2-(2H-Benzotriazol-2-yl)-p-cresol (CAS-No.2440-22-4) (EC-No.219-470-5) (M-Factor : 1[Chronic])

	Xi;R43 N;R53	Skin Sens. 1B; H317 Aquatic Chronic 1; H410	>= 0.25 - < 1 %
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The above products are compliant to REACH registration obligations; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of 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.



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

- 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.

4.2. Most important symptoms and effects, both acute and delayed

no data available

4.3. Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Hazardous combustion products
: Carbon monoxide Carbon dioxide (CO₂) Biphenyls

5.3. Advice for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3. Methods and materials for containment and cleaning up

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



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

6.4. Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1. Precautions for safe 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

If sub-section is empty then no values are applicable.

Components with workplace control parameters

Type Form of exposure	Control parameters	Update	Regulatory basis	Remarks
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Methyl methacrylate (CAS-No. 80-62-6)

Time Weighted Average (TWA):	208 mg/m ³ 50 ppm	2007	UK. EH40 Workplace Exposure Limits (WELs)	
Short term exposure limit	416 mg/m ³ 100 ppm	2007	UK. EH40 Workplace Exposure Limits (WELs)	

Derived No Effect Level (DNEL)

- Aluminium hydroxide : Type of Application (Use): Workers
Exposure routes: Inhalation
Health Effect: Systemic effects, Long-term exposure
Value: 10.76 mg/m³



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

8.2. Exposure controls

- Engineering measures : Use sufficient ventilation to keep employee exposure below recommended limits.
- Eye protection : Safety glasses
- Hand protection : Rubber gloves
- 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.
- 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)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Form : liquid
- Colour : various
- Odour : acrylic-like
- pH : Not applicable
- Flash point : 10 °C
- Ignition temperature : 430 °C
- Explosive properties : Not explosive
- Lower explosion limit/ lower flammability limit : 2.1 vol%
- Upper explosion limit/ upper flammability limit : 12.5 vol%
- Vapour pressure : 39 hPa at 20 °C
- Density : 1.2 - 1.24 g/cm³
- Water solubility : partly miscible
- Viscosity, dynamic : no data available

9.2. Other information

no data available



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)
Revision Date 27.05.2015

Ref. 150000002819

SECTION 10: Stability and reactivity

- 10.1. Reactivity** : no data available
- 10.2. Chemical stability** : no data available
- 10.3. Possibility of hazardous reactions** : No decomposition if used as directed.
- 10.4. Conditions to avoid** : no data available
- 10.5. Incompatible materials** : Reducing agents
Oxidizing agents
- 10.6. Hazardous decomposition products** : no data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

- Methyl methacrylate
LD50 / Rabbit : 6,550 mg/kg
- Aluminium hydroxide
LD50 / Rat : > 2,000 mg/kg
Method: OECD Test Guideline 423
- Butyl methacrylate
LD50 / Rat : > 2,000 mg/kg
Method: OECD Test Guideline 401
- Propylidynetrimethyl trimethacrylate
LD50 / Rat : 25,530 mg/kg
- 2-(2H-Benzotriazol-2-yl)-p-cresol
LD50 / Rat : 10,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity

- Methyl methacrylate
LC50 / 4 h Rat : 29.8 mg/l
- Butyl methacrylate
LC50 / 4 h Rat : 29 mg/l
Respiratory tract irritation



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

- 2-(2H-Benzotriazol-2-yl)-p-cresol
LC50 / 4 h Rat : 163 mg/l

Acute dermal toxicity

- Methyl methacrylate
LD50 / Rabbit : > 5,000 mg/kg
- Butyl methacrylate
LD50 / Rabbit : > 2,000 mg/kg
Method: OECD Test Guideline 402
- Propylidynetrimethyl trimethacrylate
LD50 / Rabbit : 17,000 mg/kg
- 2-(2H-Benzotriazol-2-yl)-p-cresol
LD50 / Rat : > 2,000 mg/kg

Skin irritation

- Methyl methacrylate
Rabbit
Classification: Irritating to skin.
Result: Severe skin irritation
- Aluminium hydroxide
Rabbit
Classification: Not classified as irritant
Result: No skin irritation
Method: OECD Test Guideline 404
- Butyl methacrylate
Rabbit
Classification: Irritating to skin.
Result: Severe skin irritation
Method: OECD Test Guideline 404
- Propylidynetrimethyl trimethacrylate
Rabbit
Classification: Not classified as irritant
Result: slight irritation
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Rat
Classification: Not classified as irritant
Result: No skin irritation

Eye irritation

- Methyl methacrylate
Rabbit
Classification: Not classified as irritant
Result: No eye irritation



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

- Aluminium hydroxide
Rabbit
Classification: Not classified as irritant
Result: No eye irritation
Method: OECD Test Guideline 405
- Butyl methacrylate
Rabbit
Classification: Irritating to eyes.
Result: Eye irritation
Method: OECD Test Guideline 405
- Propylidynetrimethyl trimethacrylate
Rabbit
Classification: Not classified as irritant
Result: slight irritation
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Rabbit
Classification: Not classified as irritant
Result: No eye irritation
Method: OECD Test Guideline 405

Sensitisation

- Methyl methacrylate
Guinea pig
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.
Method: OECD Test Guideline 429

human
Classification: Does not cause respiratory sensitisation.
Result: Does not cause respiratory sensitisation.
- Aluminium hydroxide
Guinea pig
Classification: Does not cause skin sensitisation.
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Mouse
Classification: Does not cause respiratory sensitisation.
Result: Does not cause respiratory sensitisation.
Information given is based on data obtained from similar substances.
- Butyl methacrylate
Guinea pig Maximisation Test (GPMT)
Classification: May cause sensitisation by skin contact.
Result: Causes sensitisation.
Method: OECD Test Guideline 406



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

- Propylidynetrimethyl trimethacrylate
Guinea pig Maximisation Test (GPMT)
Classification: Not a skin sensitizer.
Result: Did not cause sensitisation on laboratory animals.
There are rare or inconclusive reports of human skin sensitization.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Guinea pig
Classification: The product is a skin sensitiser, sub-category 1B.
Result: Probability or evidence of low to moderate skin sensitisation rate in humans
Method: OECD Test Guideline 406

Repeated dose toxicity

- Methyl methacrylate
Oral Rat
No toxicologically significant effects were found.
- Aluminium hydroxide
Oral Rat
No toxicologically significant effects were found., Information given is based on data obtained from similar substances.
- Butyl methacrylate
Inhalation Rat
Respiratory tract irritation, Eye irritation, Reversible, altered hematology
- Propylidynetrimethyl trimethacrylate
Oral Rat
No adverse effect has been observed in chronic toxicity tests.

Dermal Rabbit
No adverse effect has been observed in chronic toxicity tests.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Oral Rat
NOAEL: 500 mg/kg
Method: OECD Test Guideline 408
Organ weight changes

Mutagenicity assessment

- Methyl methacrylate
Animal testing did not show any mutagenic effects.
- Aluminium hydroxide
Animal testing did not show any mutagenic effects.
- Butyl methacrylate
Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.
- Propylidynetrimethyl trimethacrylate



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

Animal testing did not show any mutagenic effects. Overall weight of evidence indicates that the substance is not mutagenic. 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.

- 2-(2H-Benzotriazol-2-yl)-p-cresol
Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells.

Carcinogenicity assessment

- Methyl methacrylate
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
- Aluminium hydroxide
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances.
- Butyl methacrylate
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.

Toxicity to reproduction assessment

- Methyl methacrylate
No toxicity to reproduction No effects on or via lactation Animal testing showed no reproductive toxicity.
- Aluminium hydroxide
No toxicity to reproduction Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
- Butyl methacrylate
No toxicity to reproduction Animal testing showed no reproductive toxicity.
- Propylidynetrimethyl trimethacrylate
No toxicity to reproduction Animal testing showed no reproductive toxicity.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
No toxicity to reproduction Animal testing showed no reproductive toxicity.

Assessment teratogenicity

- Methyl methacrylate
Animal testing showed no developmental toxicity.
- Aluminium hydroxide
Animal testing showed no developmental toxicity.
- Butyl methacrylate
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. Reduced growth Foetal malformations



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

- Propylidynetrimethyl trimethacrylate
Animal testing showed no developmental toxicity.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Animal testing showed no developmental toxicity.

Human experience

Excessive exposures may affect human health, as follows:

Inhalation

Central nervous system: Nausea, Drowsiness, Dizziness, Headache *Respiratory system:* Irritation

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

- Methyl methacrylate
LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): > 79 mg/l
- Aluminium hydroxide
LC50 / 96 h / Fish: 0.599 mg/l
Information given is based on data obtained from similar substances.
- Butyl methacrylate
LC50 / 96 h / *Oryzias latipes* (medaka): 5.57 mg/l
Method: OECD Test Guideline 203
- Propylidynetrimethyl trimethacrylate
LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): 1 - 10 mg/l
- 2-(2H-Benzotriazol-2-yl)-p-cresol
LC50 / 96 h / Fish: > 100 mg/l
Method: OECD Test Guideline 203

Toxicity to aquatic plants

- Methyl methacrylate
ErC50 / 72 h / *Pseudokirchneriella subcapitata* (green algae): > 110 mg/l
Method: OECD Test Guideline 201

NOEC / 72 h / *Pseudokirchneriella subcapitata* (green algae): 110 mg/l
Method: OECD Test Guideline 201
- Aluminium hydroxide
ErC50 / 72 h / *Pseudokirchneriella subcapitata* (green algae): 0.46 mg/l
Information given is based on data obtained from similar substances.
- Butyl methacrylate
ErC50 / 96 h / *Pseudokirchneriella subcapitata* (green algae): 130 mg/l



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

Method: OECD Test Guideline 201

EbC50 / 96 h / Pseudokirchneriella subcapitata (green algae): 57 mg/l
Method: OECD Test Guideline 201

- Propylidyntrimethyl trimethacrylate
ErC50 / 72 h / Pseudokirchneriella subcapitata (green algae): 1 - 10 mg/l
- 2-(2H-Benzotriazol-2-yl)-p-cresol
ErC50 / 72 h / Desmodesmus subspicatus (green algae): > 100 mg/l
Method: Directive 67/548/EEC, Annex V, C.3.

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

Toxicity to aquatic invertebrates

- Methyl methacrylate
EC50 / 48 h / Daphnia magna (Water flea): 69 mg/l
Method: see user defined free text
- Aluminium hydroxide
EC50 / 48 h / Ceriodaphnia dubia (water flea): 0.72 mg/l
Information given is based on data obtained from similar substances.
- Butyl methacrylate
EC50 / 48 h / Daphnia magna (Water flea): 32 mg/l
Method: OECD Test Guideline 202

Chronic toxicity to fish

- Methyl methacrylate
NOEC / 35 d / Danio rerio (zebra fish): 9.4 mg/l
Method: OECD Test Guideline 210
- Aluminium hydroxide
NOEC / 30 d / Fish (unspecified species): 0.057 mg/l
Information given is based on data obtained from similar substances.

Chronic toxicity to aquatic Invertebrates

- Methyl methacrylate
NOEC / 21 d / Daphnia magna (Water flea): 37 mg/l
Method: OECD Test Guideline 211
- Aluminium hydroxide
NOEC / 21 d / Daphnia magna (Water flea): 1.89 mg/l
Information given is based on data obtained from similar substances.
- Butyl methacrylate
NOEC / 21 d / Daphnia magna (Water flea): 2.6 mg/l
Method: OECD Test Guideline 211
- 2-(2H-Benzotriazol-2-yl)-p-cresol



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

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

12.2. Persistence and degradability

Biodegradability

- Methyl methacrylate
Method: OECD Test Guideline 301C
rapidly biodegradable
Readily biodegradable
- Butyl methacrylate
/ 28 d
Biodegradation: 88 %
Method: OECD Test Guideline 301C
Readily biodegradable
- Propylidynetrimehyl trimethacrylate
/ 28 d
Biodegradation: 50 - 59 %
Not readily biodegradable.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Method: OECD Test Guideline 301
Not biodegradable

12.3. Bioaccumulative potential

Bioaccumulation

- Methyl methacrylate
Bioaccumulation is unlikely.
- Butyl methacrylate
Bioconcentration factor (BCF): 31
Bioaccumulation is unlikely.
- 2-(2H-Benzotriazol-2-yl)-p-cresol
Method: OECD Test Guideline 305C
Bioaccumulation is unlikely.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

no data available



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : Do not dispose of waste into sewer. Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14: Transport information

ADR

14.1. UN number: 1133
14.2. UN proper shipping name: ADHESIVES
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards: For further information see Section 12.
14.6. Special precautions for user:
Tunnel restriction code: (D/E)

IATA_C

14.1. UN number: 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards : For further information see Section 12.
14.6. Special precautions for user:
no data available

IMDG

14.1. UN number: 1133
14.2. UN proper shipping name: ADHESIVES
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards : For further information see Section 12.
14.6. Special precautions for user:
no data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC)

Listed Substance : Methyl methacrylate (CAS-No.80-62-6) (EC-No.201-297-1)
List number: : 40

For information on uses please refer to Section 1.

For further information please refer to the list number in the regulation and relevant amendments.



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

15.2. Chemical Safety Assessment

no data available

SECTION 16: Other information

Text of R-phrases mentioned in Section 3

R10	Flammable.
R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under section 3.

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Other information professional use

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose



DuPont™ Joint Adhesive - Component A

Version 3.2 (replaces: Version 3.1)

Revision Date 27.05.2015

Ref. 150000002819

LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	Time Weighted Average (TWA):
vPvB	very Persistent and very Bioaccumulative

Restrictions on 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.

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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