



## DuPont™ Joint Adhesive 2.0 Component A

Ref. 150000004230  
Version 2.2 (replaces: Version 2.1)

Revision Date 15.06.2020  
Issue Date 15.06.2020

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 2.0 Component A

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

Use of the Substance/Mixture : Adhesives

#### 1.3. Details of the supplier of the safety data sheet

Company : DuPont Specialty Products Operations Sarl  
Chemin du Pavillon, 2  
CH-1218 Le Grand-Saconnex, Geneva  
Switzerland

Telephone : +41 (0) 22 717 51 11

Telefax : +41 (0) 22 717 51 09

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

#### 1.4. Emergency telephone number

+(44)-870-8200418 (CHEMTREC)

### 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)
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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### Danger

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H412 Harmful 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 inhalation toxicity: 37.9506 %

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.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ 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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
Vapours may form explosive mixtures with air.

## SECTION 3: Composition/information on ingredients

Chemical nature of the substance/mixture : Adhesives

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Hazardous components

Registration number	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	Flam. Liq. 2; H225 Skin Irrit. 2; H315	>= 50 - <= 100 %
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	Skin Sens. 1; H317 STOT SE 3; H335	
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**Propylidyntrimethyl trimethacrylate (CAS-No.3290-92-4) (EC-No.221-950-4)**

01-2119542176-41	Aquatic Chronic 2; H411	>= 2.5 - < 10 %
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**Butyl methacrylate (CAS-No.97-88-1) (EC-No.202-615-1)**

01-2119486394-28	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335	>= 0.1 - < 1 %
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**Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy- (CAS-No.103671-44-9)**

	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Muta. 2; H341 Aquatic Chronic 3; H412	>= 0.25 - < 1 %
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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])**

	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 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.
- 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.



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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.

### 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 : Water spray, Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>), Keep containers and surroundings cool with water spray.

Extinguishing media which shall not be used for safety reasons : Do NOT use water jet.

### 5.2. Special hazards arising from the substance or mixture

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

### 6.4. Reference to other sections



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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.

Storage period : <= 24 Months

Storage temperature : 13 - 24 °C

**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. For further information on any control parameters provided, please refer to the relevant regulation.

**Components with workplace control parameters**

Type	Control parameters (Expressed as)	Update	Regulatory basis
Form of exposure			

**Methyl methacrylate (CAS-No. 80-62-6)**

Limit Value - eight hours	50 ppm	2009-12-19	Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
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Short term exposure limit	100 ppm	2009-12-19	Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
Short-term exposure limit (15-minute reference period)	416 mg/m <sup>3</sup> 100 ppm	2007-08-01	UK. EH40 WEL - Workplace Exposure Limits
Long-term exposure limit (8-hour TWA reference period)	208 mg/m <sup>3</sup> 50 ppm	2007-08-01	UK. EH40 WEL - Workplace Exposure Limits

**Titanium dioxide (CAS-No. 13463-67-7)**

Long-term exposure limit (8-hour TWA reference period) inhalable dust	10 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
Long-term exposure limit (8-hour TWA reference period) Respirable dust	4 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits

**8.2. Exposure controls**

- Engineering measures : Use sufficient ventilation to keep employee exposure below recommended limits.
- Eye protection : Safety glasses
- Hand protection : Material: Polyvinyl alcohol or nitrile- butyl-rubber gloves  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 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
- Odour Threshold : no data available
- pH : Not applicable



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Melting point/freezing point	: no data available
Boiling point	: > 35 °C
Flash point	: 10 °C
Self-Accelerating decomposition temperature (SADT)	: no data available
Flammability (solid, gas)	: no data available
Ignition temperature	: 430 °C
Thermal decomposition	: no data available
Oxidizing properties	: no data available
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	: ca. 1.0 g/cm <sup>3</sup>
Relative density	: ca. 1.0
Bulk density	: no data available
Water solubility	: partly miscible
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Solubility in other solvents	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available

### 9.2. Other information

No other data to be specially mentioned.



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### SECTION 10: Stability and reactivity

- 10.1. Reactivity** : The material may slowly polymerize if heated or if inerted with nitrogen.
- 10.2. Chemical stability** : Stable in the presence of inhibitor.
- 10.3. Possibility of hazardous reactions** : Susceptible to polymerization initiated by prolonged heating or the presence of initiator. No decomposition if used as directed.
- 10.4. Conditions to avoid** : Heat Exposure to sunlight.
- 10.5. Incompatible materials** : Reducing agents  
: Oxidizing agents
- 10.6. Hazardous decomposition products** : To avoid thermal decomposition, do not overheat.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute oral toxicity

- Methyl methacrylate  
LD50 / Rabbit : 6,550 mg/kg
- Propylidynetrimehyl trimethacrylate  
LD50 / Rat : > 2,000 mg/kg  
Method: OECD Test Guideline 423
- Butyl methacrylate  
LD50 / Rat : > 2,000 mg/kg  
Method: OECD Test Guideline 401
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
LD50 / Rat : 619 mg/kg  
Method: OECD Test Guideline 401
- 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 : > 27 mg/l  
Method: OECD Test Guideline 403



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- 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
- Propylidynetrimehyl trimethacrylate  
LD50 / Rat : > 2,000 mg/kg  
Method: OECD Test Guideline 402
- Butyl methacrylate  
LD50 / Rabbit : > 2,000 mg/kg  
Method: OECD Test Guideline 402
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
LD50 / Rat : > 2,000 mg/kg  
Method: OECD Test Guideline 402
- 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
- Propylidynetrimehyl trimethacrylate  
Rabbit  
Classification: No skin irritation  
Result: Slight or no skin irritation  
Method: OECD Test Guideline 404  
Minimal effects that do not meet the threshold for classification.
- Butyl methacrylate  
Rabbit  
Classification: Irritating to skin.  
Result: Severe skin irritation  
Method: OECD Test Guideline 404
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
In Vitro - Human  
Classification: Irritating to skin.  
Result: Severe skin irritation  
Method: EPISKIN Human Skin Model Test
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
Rat



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Classification: Not classified as irritant  
Result: No skin irritation

### Eye irritation

- Methyl methacrylate  
Rabbit  
Classification: Not classified as irritant  
Result: No eye irritation
- Propylidynetrimehyl trimethacrylate  
Rabbit  
Classification: No eye irritation  
Result: Slight or no eye irritation  
Method: OECD Test Guideline 405  
Minimal effects that do not meet the threshold for classification.
- Butyl methacrylate  
Rabbit  
Classification: No eye irritation  
Result: Slight or no eye irritation  
Method: OECD Test Guideline 405  
Minimal effects that do not meet the threshold for classification.
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
Rabbit  
Classification: Risk of serious damage to eyes.  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
Rabbit  
Classification: Not classified as irritant  
Result: No eye irritation  
Method: OECD Test Guideline 405

### Respiratory or skin 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.
- Propylidynetrimehyl trimethacrylate  
Guinea pig  
Classification: Does not cause skin sensitisation.  
Result: Does not cause skin sensitisation.  
Method: OECD Test Guideline 406



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- Butyl methacrylate  
Mouse  
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 429
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
Mouse  
Classification: May cause sensitisation by skin contact.  
Result: May cause sensitisation by skin contact.  
Method: OECD Test Guideline 429
- 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.
- Propylidynetrimehyl trimethacrylate  
Ingestion Rat  
Exposure time: 90 d  
NOAEL: 300 mg/kg  
LOAEL: 1,000 mg/kg  
Method: OECD Test Guideline 408  
No toxicologically significant effects were found.
- Butyl methacrylate  
Ingestion Rat  
Exposure time: 90 d  
NOAEL: 120 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.
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
Ingestion Rat  
Exposure time: 28 d  
NOAEL: > 1,000 mg/kg  
Method: Directive 67/548/EEC, Annex V, B.7.  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
Oral Rat  
NOAEL: 500 mg/kg



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Method: OECD Test Guideline 408  
Organ weight changes

### Mutagenicity assessment

- Methyl methacrylate  
Animal testing did not show any mutagenic effects.
- Propylidynetrimehyl 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.
- Butyl methacrylate  
Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
Positive results from in vitro mammalian mutagenicity assays, chemical structure activity relationship to known germ cell mutagens Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others. Genetic damage in cultured bacterial 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.
- Propylidynetrimehyl trimethacrylate  
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
- Butyl methacrylate  
Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances.
- 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.
- Propylidynetrimehyl trimethacrylate  
No toxicity to reproduction Animal testing showed no reproductive toxicity.
- Butyl methacrylate  
No toxicity to reproduction Animal testing showed no reproductive toxicity.
- 2-(2H-Benzotriazol-2-yl)-p-cresol



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No toxicity to reproduction Animal testing showed no reproductive toxicity.

### Assessment teratogenicity

- Methyl methacrylate  
Animal testing showed no developmental toxicity.
- Propylidynetrimethyl trimethacrylate  
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
- Butyl methacrylate  
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal 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
- Propylidynetrimethyl trimethacrylate  
LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): 2 mg/l  
Method: OECD Test Guideline 203
- Butyl methacrylate  
LC50 / 96 h / *Oryzias latipes* (Orange-red killifish): 5.57 mg/l  
Method: OECD Test Guideline 203
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
LC50 / 96 h / *Cyprinus carpio* (Carp): > 100 mg/l  
Method: OECD Test Guideline 203
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
LC50 / 96 h / Fish: > 100 mg/l  
Method: OECD Test Guideline 203

#### Toxicity to aquatic plants



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- 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
- Propylidynetrimethyl trimethacrylate  
EC50 / 72 h / Pseudokirchneriella subcapitata (green algae): 3.88 mg/l  
Method: OECD Test Guideline 201  
  
NOEC / 72 h / Pseudokirchneriella subcapitata (green algae): 0.177 mg/l  
Method: OECD Test Guideline 201
- Butyl methacrylate  
EC50 / 72 h / Pseudokirchneriella subcapitata (green algae): 31.2 mg/l  
Method: OECD Test Guideline 201  
  
NOEC / 72 h / Pseudokirchneriella subcapitata (green algae): 24.8 mg/l  
Method: OECD Test Guideline 201
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
ErC50 / 72 h / Pseudokirchneriella subcapitata (green algae): > 100 mg/l  
Method: OECD Test Guideline 201  
  
NOEC / 72 h / Pseudokirchneriella subcapitata (green algae): 100 mg/l  
Method: OECD Test Guideline 201
- 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
- Propylidynetrimethyl trimethacrylate  
LC50 / 48 h / Daphnia magna (Water flea): > 9.22 mg/l  
Method: OECD Test Guideline 202
- Butyl methacrylate  
LC50 / 48 h / Daphnia magna (Water flea): 25.4 mg/l  
Method: OECD Test Guideline 202
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[4-methylphenyl]imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
EC50 / 48 h / Daphnia magna (Water flea): 48 mg/l  
Method: OECD Test Guideline 202



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### Chronic toxicity to fish

- Methyl methacrylate  
NOEC / 35 d / Danio rerio (zebra fish): 9.4 mg/l  
Method: OECD Test Guideline 210
- Propylidynetrimethyl trimethacrylate  
NOEC / 32 d / Pimephales promelas (fathead minnow): 0.138 mg/l  
Method: OECD Test Guideline 210

### Chronic toxicity to aquatic Invertebrates

- Methyl methacrylate  
NOEC / 21 d / Daphnia magna (Water flea): 37 mg/l  
Method: OECD Test Guideline 211
- Butyl methacrylate  
NOEC / 21 d / Daphnia magna (Water flea): 1.1 mg/l  
Method: OECD Test Guideline 211
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
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.
- Propylidynetrimethyl trimethacrylate  
Method: OECD Test Guideline 301  
Not biodegradable  
Not readily biodegradable.
- Butyl methacrylate  
Method: OECD Test Guideline 301C  
Biodegradable  
Readily biodegradable.
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
Method: CO2 Evolution Test  
Not biodegradable
- 2-(2H-Benzotriazol-2-yl)-p-cresol  
Method: OECD Test Guideline 301  
Not biodegradable

## 12.3. Bioaccumulative potential



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### Bioaccumulation

- Methyl methacrylate  
Bioaccumulation is unlikely.
- Propylidynetrimethyl trimethacrylate  
Bioaccumulation is unlikely.
- Butyl methacrylate  
Bioaccumulation is unlikely.
- Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis[.omega.-hydroxy-  
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

#### PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6. Other adverse effects

no data available

## 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:



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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 special precautions required.

### 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 special precautions required.  
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable

## SECTION 15: Regulatory information

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

#### Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

#### Major Accident Hazard Legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c FLAMMABLE LIQUIDS Quantity: 5,000 t, 50,000 t

#### Other regulations :

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.



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### 15.2. Chemical safety assessment

no data available

## SECTION 16: Other information

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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
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



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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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**Note:** The classification of substances listed in Annex VI to the CLP regulation are derived from assessment of the best knowledge and information available at the time of its publication or subsequent amendments. The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

Significant change from previous version is denoted with a double bar.

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.