Safety Data Sheet

DuPont™ Joint Adhesive - Component A

Version 2.0

Revision Date 05/29/2015 Ref. 150000002819

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

<table>
<thead>
<tr>
<th>Product name</th>
<th>DuPont™ Joint Adhesive - Component A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use</td>
<td>Adhesives and/or sealants, For professional users only.</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Do not use product for anything outside of the above specified uses</td>
</tr>
<tr>
<td>Manufacturer/Supplier</td>
<td>DuPont Building Innovations 974 Centre Road Wilmington, Delaware 19805</td>
</tr>
<tr>
<td>Product Information</td>
<td>1-302-774-1000</td>
</tr>
<tr>
<td>Medical Emergency</td>
<td>1-800-441-3637 (outside the U.S. 1-302-774-1139)</td>
</tr>
<tr>
<td>Transport Emergency</td>
<td>CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)</td>
</tr>
<tr>
<td>Other information</td>
<td>professional use</td>
</tr>
</tbody>
</table>

SECTION 2. HAZARDS IDENTIFICATION

Product hazard category

| Flammable liquids | Category 2 |
| Skin irritation   | Category 2 |
| Skin sensitisation | Category 1 |
| Specific target organ toxicity - single exposure | Category 3 |
Label content
Pictogram :

Signal word : Danger

Hazardous warnings : Highly flammable liquid and vapour.
Causes skin irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Safety Data Sheet

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**Hazardous prevention measures**

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash skin thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/eye protection/face protection.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
- Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- If skin irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Dispose of contents/container to an approved waste disposal plant.

**Other hazards**

Vapours may form explosive mixtures with air.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 32.0974 %

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
</table>

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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.
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 (CO2) Biphenyls

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.

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**
- No applicable data available.

### 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. Mask with gas filter, type A (EN 141)

**Hand protection**
- Additional protection: Rubber gloves

**Eye protection**
- Safety glasses

#### Exposure Guidelines

##### Exposure Limit Values

<table>
<thead>
<tr>
<th>Substance</th>
<th>Permissible exposure limit:</th>
<th>(OSHA)</th>
<th>(ACGIH)</th>
<th>(ACGIH)</th>
<th>(ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>TLV</td>
<td>100 ppm</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>410 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>8 hr. TWA</td>
</tr>
<tr>
<td>Aluminum hydroxide</td>
<td>TLV</td>
<td></td>
<td>1 mg/m3</td>
<td>TWA</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Butyl methacrylate</td>
<td>AEL *</td>
<td>50 ppm</td>
<td></td>
<td>8 &amp; 12 hr. TWA</td>
<td></td>
</tr>
<tr>
<td>Silicon dioxide, amorphous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
</tr>
</tbody>
</table>
Permissible exposure limit: (OSHA) 0.8 mg/m³ TWA

Remarks
The exposure limit is calculated from the equation, 80/(%SiO₂), using a value of 100% SiO₂. Lower values of % SiO₂ will give higher exposure limits.

Titanium dioxide
Permissible exposure limit: (OSHA) 15 mg/m³ 8 hr. TWA Total dust.
TLV (ACGIH) 10 mg/m³ TWA
AEL * (DUPONT) 10 mg/m³ 8 & 12 hr. TWA Total dust.
AEL * (DUPONT) 5 mg/m³ 8 & 12 hr. TWA Respirable dust.

Carbon black
Permissible exposure limit: (OSHA) 3.5 mg/m³ 8 hr. TWA
TLV (ACGIH) 3 mg/m³ TWA Inhalable fraction.
AEL * (DUPONT) 0.5 mg/m³ 8 & 12 hr. TWA Polynuclear Aromatic Hydrocarbons (PAH) < 0.1%

* 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
Color: various

Odor: acrylic-like
Odor threshold: No applicable data available.

pH: Not applicable
Melting point/range: No applicable data available.
Boiling point/boiling range : No applicable data available.
Flash point : 10 °C closed cup
Evaporation rate : No applicable data available.
Flammability (solid, gas) : No applicable data available.
Upper explosion limit : 12.5 vol%
Lower explosion limit : 2.1 vol%
Vapor pressure : 39 hPa at 20 °C (68 °F)
Vapour density : No applicable data available.
Density : 1.2 - 1.24 g/cm³
Specific gravity (Relative density) : No applicable data available.
Water solubility : partly miscible
Solubility(ies) : No applicable data available.
Partition coefficient: n-octanol/water : No applicable data available.
Auto-ignition temperature : No applicable data available.
Ignition temperature : 430 °C
Decomposition temperature : No applicable data available.
Viscosity, kinematic : No applicable data available.
Viscosity, dynamic : no 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.
Conditions to avoid: No applicable data available.
Incompatible materials: Reducing agents, Oxidizing agents
Hazardous decomposition products: No applicable data available.

SECTION 11. TOXICOLOGICAL INFORMATION
Methyl methacrylate

Inhalation 4 h LC50: 29.8 mg/l, Rat
Target Organs: Respiratory system

Dermal LD50: > 5,000 mg/kg, Rabbit

Oral LD50: 6,550 mg/kg, Rabbit

Skin irritation: Severe skin irritation, Rabbit

Eye irritation: No eye irritation, Rabbit

Skin sensitization: May cause sensitisation by skin contact., Guinea pig
Does not cause respiratory sensitisation., human

Repeated dose toxicity: Oral
Rat
NOAEL: > 3300,
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.

Reproductive toxicity: No toxicity to reproduction
No effects on or via lactation
Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed no developmental toxicity.
### Aluminum Hydroxide

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>&gt; 2,000 mg/kg, Rat</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>No skin irritation, Rabbit</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>No eye irritation, Rabbit</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Does not cause skin sensitisation, Guinea pig</td>
</tr>
</tbody>
</table>

Does not cause respiratory sensitisation, Mouse
Information given is based on data obtained from similar substances.

#### Repeated dose toxicity

- Oral Rat
- No toxicologically significant effects were found.

#### Carcinogenicity

Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.
Information given is based on data obtained from similar substances.

#### Mutagenicity

Animal testing did not show any mutagenic effects.

#### Reproductive toxicity

No toxicity to reproduction
Animal testing showed no reproductive toxicity.
Information given is based on data obtained from similar substances.

#### Teratogenicity

Animal testing showed no developmental toxicity.

### Butyl Methacrylate

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation 4 h LC50</td>
<td>29 mg/l, Rat</td>
</tr>
<tr>
<td>Target Organs:</td>
<td>Respiratory Tract</td>
</tr>
<tr>
<td>Respiratory tract</td>
<td>irritation</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt; 2,000 mg/kg, Rabbit</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>&gt; 2,000 mg/kg, Rat</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>Severe skin irritation, Rabbit</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Eye irritation, Rabbit</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Causes sensitisation, Guinea pig</td>
</tr>
</tbody>
</table>
Repeated dose toxicity: Inhalation
Rat
- 
  Respiratory tract irritation, Eye irritation, Reversible, altered 
  hematology

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.
  Animal testing did not show any mutagenic effects.

Reproductive toxicity: No toxicity to reproduction 
  Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels 
  equal to or above those causing maternal toxicity.
  Reduced growth 
  Foetal malformations

Propylidynetrimethyl trimethacrylate 
  Dermal LD50: 17,000 mg/kg, Rabbit
  Oral LD50: 25,530 mg/kg, Rat

Skin irritation: slight irritation, Rabbit

Eye irritation: slight irritation, Rabbit

Skin sensitization: Did not cause sensitisation on laboratory animals., Guinea pig 
  There are rare or inconclusive reports of human skin sensitization.

Repeated dose toxicity: Oral 
  Rat 
- 
  No adverse effect has been observed in chronic toxicity tests.

  Dermal 
  Rabbit 
- 
  No adverse effect has been observed in chronic toxicity tests.
Mutagenicity: 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.

Reproductive toxicity: No toxicity to reproduction. Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed no developmental toxicity.

2-(2H-Benzotriazol-2-yl)-p-cresol
Inhalation 4 h LC50: 163 mg/l, Rat
Dermal LD50: > 2,000 mg/kg, Rat
Oral LD50: 10,000 mg/kg, Rat
Skin irritation: No skin irritation, Rat
Eye irritation: No eye irritation, Rabbit
Skin sensitization: Probability or evidence of low to moderate skin sensitisation rate in humans, Guinea pig

Repeated dose toxicity: Oral Rat
- NOAEL: 500 mg/kgMethod: OECD Test Guideline 408 Organ weight changes

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

Mutagenicity: Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells.

Reproductive toxicity: No toxicity to reproduction. Animal testing showed no reproductive toxicity.

Teratogenicity: Animal testing showed no developmental toxicity.
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).

<table>
<thead>
<tr>
<th>Material</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity
Methyl methacrylate
96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 79 mg/l
72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 110 mg/l OECD Test Guideline 201
72 h NOEC : Pseudokirchneriella subcapitata (green algae) 110 mg/l OECD Test Guideline 201
48 h EC50 : Daphnia magna (Water flea) 69 mg/l see user defined free text
35 d NOEC : NOEC Danio rerio (zebra fish) 9.4 mg/l OECD Test Guideline 210
21 d NOEC : NOEC Daphnia magna (Water flea) 37 mg/l OECD Test Guideline 211

Aluminum hydroxide
96 h LC50 : Fish 0.599 mg/l
            Information given is based on data obtained from similar substances.
72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 0.46 mg/l
            Information given is based on data obtained from similar substances.
48 h EC50 : Ceriodaphnia dubia (water flea) 0.72 mg/l
            Information given is based on data obtained from similar substances.
30 d : NOEC Fish (unspecified species) 0.057 mg/l  
Information given is based on data obtained from similar substances.

21 d : NOEC Daphnia magna (Water flea) 1.89 mg/l  
Information given is based on data obtained from similar substances.

**Butyl methacrylate**

<table>
<thead>
<tr>
<th>Test Period</th>
<th>Parameter</th>
<th>Test Species</th>
<th>Concentration Range</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 h</td>
<td>LC50</td>
<td>Oryzias latipes (medaka)</td>
<td>5.57 mg/l</td>
<td>OECD Test Guideline 203</td>
</tr>
<tr>
<td>96 h</td>
<td>ErC50</td>
<td>Pseudokirchneriella subcapitata (green algae)</td>
<td>130 mg/l</td>
<td>OECD Test Guideline 201</td>
</tr>
<tr>
<td>96 h</td>
<td>EbC50</td>
<td>Pseudokirchneriella subcapitata (green algae)</td>
<td>57 mg/l</td>
<td>OECD Test Guideline 201</td>
</tr>
<tr>
<td>48 h</td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>32 mg/l</td>
<td>OECD Test Guideline 202</td>
</tr>
<tr>
<td>21 d</td>
<td>NOEC</td>
<td>Daphnia magna (Water flea)</td>
<td>2.6 mg/l</td>
<td>OECD Test Guideline 211</td>
</tr>
</tbody>
</table>

**Propylidynetrimethyl trimethacrylate**

<table>
<thead>
<tr>
<th>Test Period</th>
<th>Parameter</th>
<th>Test Species</th>
<th>Concentration Range</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 h</td>
<td>LC50</td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>1 - 10 mg/l</td>
<td></td>
</tr>
<tr>
<td>72 h</td>
<td>ErC50</td>
<td>Pseudokirchneriella subcapitata (green algae)</td>
<td>1 - 10 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

**2-(2H-Benzotriazol-2-yl)-p-cresol**

<table>
<thead>
<tr>
<th>Test Period</th>
<th>Parameter</th>
<th>Test Species</th>
<th>Concentration Range</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 h</td>
<td>LC50</td>
<td>Fish</td>
<td>&gt; 100 mg/l</td>
<td>OECD Test Guideline 203</td>
</tr>
<tr>
<td>72 h</td>
<td>NOEC</td>
<td>Desmodesmus subspicatus (green algae)</td>
<td>33 mg/l</td>
<td></td>
</tr>
<tr>
<td>21 d</td>
<td>NOEC</td>
<td>Daphnia magna (Water flea)</td>
<td>0.013 mg/l</td>
<td>OECD Test Guideline 211</td>
</tr>
</tbody>
</table>

**Environmental Fate**

**Methyl methacrylate**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability</td>
<td>rapidly biodegradable</td>
<td>OECD Test Guideline 301C</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>Bioaccumulation is unlikely.</td>
<td></td>
</tr>
</tbody>
</table>
Butyl methacrylate

Biodegradability : 88 % OECD Test Guideline 301C
Readily biodegradable

Bioaccumulation : Bioconcentration factor (BCF) : 31
Bioaccumulation is unlikely.

Propylidynetrimethyl trimethacrylate

Biodegradability : 50 - 59 %
Not readily biodegradable.

2-(2H-Benzotriazol-2-yl)-p-cresol

Bioaccumulation : OECD Test Guideline 305C
Bioaccumulation is unlikely.

SECTION 13. DISPOSAL CONSIDERATIONS

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
Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT
UN number : 1133

Proper shipping name : Adhesives
Class : 3
Packing group : II
Labelling No. : 3
Reportable Quantity :

IATA_C
UN number : 1133

Proper shipping name : Adhesives
Class : 3
Packing group : II
Labelling No. : 3

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DuPont™ Joint Adhesive - Component A

SECTION 15. REGULATORY INFORMATION

SARA 313 Regulated Chemical(s) : Methyl methacrylate

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):
Methyl methacrylate, Silicon dioxide, amorphous

Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):
Methyl methacrylate, Butyl methacrylate, Silicon dioxide, amorphous

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):
Methyl methacrylate, Silicon dioxide, amorphous

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):
Methyl methacrylate, Butyl methacrylate, Silicon dioxide, amorphous

CERCLA Reportable Quantity : 167 lbs
Based on the percentage composition of this chemical in the product:
Zinc sulphide

California Prop. 65 : WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer. Titanium dioxide, Carbon black
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Methanol
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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Revision Date: 05/29/2015

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.

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