



**SAFETY DATA SHEET**  
**Permabond 3D10**

**1. Identification**

**Product identifier**

**Product name** Permabond 3D10

**Recommended use of the chemical and restrictions on use**

**Application** Adhesive.

**Details of the supplier of the safety data sheet**

**Supplier** Permabond LLC  
14 Robinson Street  
Pottstown, PA 19464  
USA  
Telephone: 732-868-1372 or 800-640-7599  
Website: www.permabond.com

**Emergency telephone number**

**Emergency telephone** Medical: Poison Control Center 866-827-6282 (toll free) or 303-389-1109 Transport: CHEMTREC 800-424-9300

**2. Hazard(s) identification**

**Classification of the substance or mixture**

**OSHA Regulatory Status** Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Label elements**

**Hazard statements** NC Not Classified

**Other hazards**

None under normal conditions.

**3. Composition/information on ingredients**

**Mixtures**

**Composition comments** None of the ingredients are required to be listed.

**4. First-aid measures**

**Description of first aid measures**

**Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

## Permabond 3D10

<b>Ingestion</b>	On contact, immediate bonding of mouth could occur. Do not induce vomiting. Get medical attention.
<b>Skin Contact</b>	On contact, immediate bonding of the skin will occur. No attempt should be made to remove material from skin or to remove contaminated clothing, as the bonded skin can be easily torn. Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. If adhesive bonding occurs, do not force eyelids apart. Apply a pad soaked in warm water and allow the eyelids to separate. Get medical attention. Cured adhesive will not bond well to surface of eye, but corneal damage from abrasion may result.

### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	On contact, immediate bonding of mouth could occur.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Irritating and may cause redness and pain.

### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	SKIN BONDING. Prise the skin apart slowly working from the edge of the bonded area. This can be eased by using warm soapy water. EYE BONDING. DO NOT force eyelids apart. Apply a pad soaked in warm water and allow the eye to separate itself.
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## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Cloths used to wipe up spills may cause rapid polymerization that could generate sufficient heat to ignite the cloth.
<b>Hazardous combustion products</b>	Trace amounts of toxic and/or irritating organic vapors may be generated. The use of breathing apparatus is recommended.
<b>Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** For personal protection, see Section 8. Provide adequate ventilation.

### Environmental precautions

**Environmental precautions** Ventilate area. Prevent product from entering drains or waterways.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Small spills: wipe up with cloth. Immediately soak cloth with water to polymerize the adhesive. Caution! Cloth containing adhesive may undergo autoignition if not soaked with water Large spills: flood area with water. When cured, remove film with a scraper.

## Permabond 3D10

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Ensure adequate ventilation of the working area. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep away from fabric and paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors and cause thermal burns.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Keep away from heat, sparks and open flame. Keep container closed when not in use.

#### Specific end uses(s)

**Specific end use(s)** Adhesive.

### 8. Exposure Controls/personal protection

**Ingredient comments** No exposure limits known for ingredient(s).

#### Exposure controls

**Appropriate engineering controls** Use positive down draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentrations below established exposure limits.

**Eye/face protection** Wear approved safety goggles. Use face shield in case of splash risk.

**Hand protection** Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn.

**Other skin and body protection** Uniforms, coveralls, or a lab coat should be worn

**Respiratory protection** No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Pungent. Irritating.
<b>Odor threshold</b>	1 - 2 ppm
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>149°C (300°F)
<b>Flash point</b>	80°C – 93°C (176°F - 199.94°F )
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapor pressure</b>	~0.6 mbar @ 25°C

## Permabond 3D10

<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	1.1
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Hardens in contact with water. Insoluble in water. Miscible with the following materials: acetone
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	≈15 mPa s @ 23°C
<b>Volatile organic compound</b>	<2 %, 20 grams/liter (Estimated)

### 10. Stability and reactivity

<b>Reactivity</b>	The product reacts with water and will generate heat.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Reactions with the following materials may generate heat: Water Alcohols. Alkalis. Amines.
<b>Conditions to avoid</b>	Do not add water directly to the product. It may cause a violent reaction.
<b>Materials to avoid</b>	Water. Amines. Alkalis. Alcohols.
<b>Hazardous decomposition products</b>	Toxic/Irritating fumes

### 11. Toxicological information

#### Information on toxicological effects

##### Skin corrosion/irritation

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

##### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

##### Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

##### Specific target organ toxicity - single exposure

## Permabond 3D10

**STOT - single exposure** Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Aspiration hazard**

**Aspiration hazard** Based on available data the classification criteria are not met.

**Inhalation** The product is considered to be a low hazard under normal conditions of use. May cause discomfort.

**Ingestion** On contact, immediate bonding of mouth could occur.

**Skin Contact** On contact, immediate bonding of the skin will occur. Prolonged skin contact may cause temporary irritation.

**Eye contact** Prolonged and frequent contact may cause redness and irritation. On contact, will bond eyelids together. Vapours are lachrymatory.

**Route of exposure** Ingestion Inhalation Skin and/or eye contact

### 12. Ecological Information

**Ecotoxicity** There are no data on the ecotoxicity of this product.

**Bioaccumulative potential**

**Partition coefficient** Not applicable.

### 13. Disposal considerations

**Waste treatment methods**

**General information** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

**Disposal methods** Dispose of according to Federal, State and local governmental regulations.

### 14. Transport information

**Sea transport notes** Not classified.

**Air transport notes** Applies only to inner containers > 500ml. Inner packaging containing less than 500ml are unregulated for air transportation and may be shipped unrestricted. But inner packages containing more than 500ml meet the criteria of IATA 3.9.2.1 and are regulated. The "inner package" is the individual bottle, tube or drum, not the outer packaging such as a fiberboard box or carton containing many bottles.  
Permabond 3g, 20gr, 1 ounce (28.4 gr), 1 pound (454gr) and 500ml, are not restricted for air transportation.

**DOT transport notes** This product is not regulated for road transportation in accordance with 49 CFR Exceptions. Please note that Cyanoacrylates are not restricted for domestic ground transportation in non bulk containers (The DOT defines a bulk container as a "Package" containing more than 450 liters. The "Package" is the individual bottle, tube or drum, not a carton containing many bottles

**UN Number**

**UN No. (IMDG)** Not Regulated

**UN No. (ICAO)** 3334

**UN No. (DOT)** NA1993

## Permabond 3D10

### UN proper shipping name

**Proper shipping name (IMDG)** Not regulated

**Proper shipping name (ICAO)** AVIATION REGULATED LIQUID, N.O.S. (contains 2-methoxyethyl 2-cyanoacrylate)

**Proper shipping name (DOT)** COMBUSTIBLE LIQUID, N.O.S. (Cyanoacrylate ester)

### Transport hazard class(es)

**DOT hazard class** Combustible Liquid

**IMDG Class** Not applicable

**ICAO class/division** 9

### Packing group

**IMDG packing group** Not Applicable

**ICAO packing group** III

**DOT packing group** III

### Environmental hazards

**Environmentally Hazardous Substance**

No.

## 15. Regulatory information

### US Federal Regulations

#### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None above reporting de minimis.

#### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None above reporting limits

#### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None above reporting limits

#### **SARA 313 Emission Reporting**

All the ingredients are listed or exempt.

#### **SARA (311/312) Hazard Categories**

Acute  
Fire  
Reactivity

### US State Regulations

#### **California Proposition 65 Carcinogens and Reproductive Toxins**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm

### Inventories

#### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

#### **US - TSCA**

All the ingredients are listed or exempt.

## Permabond 3D10

### US - TSCA 12(b) Export Notification

None above reporting limits

#### 16. Other information

<b>Revision date</b>	1/25/2018
<b>Revision</b>	1
<b>Supersedes date</b>	2/4/2016

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