

**DuPont™ Tyvek® Fluid Applied Flashing - Brush Formulation**

Version 3.0

Revision Date 04/20/2011

Ref. 130000094932

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DuPont™ Tyvek® Fluid Applied Flashing - Brush Formulation  
MSDS Number : 130000094932

Manufacturer : DuPont  
Building Innovations  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-302-774-1000  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

May cause eye and skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause irritation of respiratory tract.

## Potential Health Effects

This product is a mixture. Health hazard information is based on its components.

Skin : May cause: Irritation with discomfort or pain, redness or rash, itching or swelling.

Eyes : May cause: transient irritation with discomfort, tearing.

Inhalation : Inhalation of mist or dried residue causes irritation of respiratory system.

Target Organs : Skin, Respiratory Tract

Carcinogenicity  
Material

IARC

NTP

OSHA

Titanium dioxide

2B

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

| Component                      | CAS-No.    | Concentration |
|--------------------------------|------------|---------------|
| Proprietary polymer            |            | 25 - 50 %     |
| Polyether diol                 |            | 15 - 25 %     |
| Precipitated calcium carbonate | 471-34-1   | 20 - 30 %     |
| Titanium dioxide               | 13463-67-7 | 5 - 10 %      |
| Diamino silane                 | 1760-24-3  | 1 - 5 %       |
| Trimethoxyvinylsilane          | 2768-02-7  | 1 - 2 %       |

Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.

**SECTION 4. FIRST AID MEASURES**

- Skin contact : In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops and persists.
- Eye contact : Rinse with plenty of water. Consult a physician if necessary.



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- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- Ingestion : DO NOT induce vomiting unless directed to do so by a physician or poison control center.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Fire and Explosion Hazard : Does not readily burn or support combustion. Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Firefighting Instructions : Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus. Evacuate personnel to safe areas.

**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.

- Spill Cleanup : Shovel into suitable container for disposal. Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

- Storage : Store in a clean, dry place. To maintain product quality, do not store in heat or direct sunlight.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal protective equipment


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- Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.
- Eye protection : Wear protective eyewear to prevent contact with this substance.
- Skin and body protection : Wear protective gloves/clothing to prevent skin contact.

**Exposure Guidelines  
Exposure Limit Values**

|                   |          |          |                |                      |
|-------------------|----------|----------|----------------|----------------------|
| Calcium carbonate |          |          |                |                      |
| PEL:              | (OSHA)   | 5 mg/m3  | 8 hr. TWA      | Respirable fraction. |
| PEL:              | (OSHA)   | 15 mg/m3 | 8 hr. TWA      | Total dust.          |
| Titanium dioxide  |          |          |                |                      |
| PEL:              | (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.     |

\* 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**

|                  |             |
|------------------|-------------|
| Form             | : paste     |
| Color            | : white     |
| % Volatile       | : < 2 %     |
| Specific Gravity | : 1.0 - 1.8 |

**SECTION 10. STABILITY AND REACTIVITY**

|           |                                   |
|-----------|-----------------------------------|
| Stability | : Stable under normal conditions. |
|-----------|-----------------------------------|


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|                                  |   |
|----------------------------------|---|
| Conditions to avoid              | : Temperature > 140 F   |
| Incompatibility                  | : Incompatible with strong acids and bases. Incompatible with oxidizing agents. |
| Hazardous decomposition products | : Possible decomposition products in case of hydrolysis are:: Methanol          |

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Further information : No data is available on the product itself.

Polyether diol

Dermal LD50 : 20,000 mg/kg , rabbit

Oral LD50 : 3,750 - 40,000 mg/kg , rat

Inhalation LC50 : &gt; 200 mg/l , animals (unspecified species)

Precipitated calcium carbonate

Oral LD50 : 6,450 mg/kg , rat

Carcinogenicity : Due to its physical properties, there is no potential for adverse effects.

Mutagenicity : Due to its physical properties, there is no potential for adverse effects.

Titanium dioxide

Oral LD50 : &gt; 5,000 mg/kg , rat

Inhalation 4 h LC50 : &gt; 6.82 mg/l , rat

Carcinogenicity : Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

 Mutagenicity : Did not cause genetic damage in animals.  
 Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Diamino silane

Dermal LD50 : ca. 16,160 mg/kg , rabbit

Oral LD50 : 2,400 mg/kg , rat


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Mutagenicity : Did not cause genetic damage in animals.  
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Trimethoxyvinylsilane  
Dermal LD50 : 3,270 mg/kg , rabbit

Oral LD50 : 7,000 mg/kg , rat

Mutagenicity : Tests on mammalian cell cultures showed mutagenic effects.  
Did not show mutagenic effects in animal experiments.

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
**Polyether diol**

96 h LC50 : Menidia peninsulae (tidewater silverside) 650 mg/l  
The substance is a polymer and is not expected to produce toxic effects.

**Precipitated calcium carbonate**

96 h LC50 : Gambusia affinis (Mosquito fish) > 56,000 mg/l

**Titanium dioxide**

96 h LC50 : Pimephales promelas (fathead minnow) > 1,000 mg/l

72 h EC50 : Pseudokirchneriella subcapitata (green algae) 61 mg/l

48 h EC50 : Daphnia magna (Water flea) > 1,000 mg/l

**Diamino silane**

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 100 mg/l

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) 8.8 mg/l

48 h EC50 : Daphnia magna (Water flea) 90 mg/l



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**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : Comply with applicable Federal, State/Provincial and Local Regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

- SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known
- 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): Titanium dioxide , Calcium carbonate
- 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): Titanium dioxide

**SECTION 16. OTHER INFORMATION**

DuPont™ Tyvek® are trademarks of E. I. du Pont de Nemours and Company  
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.



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