

SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: DUPONT™ DOOR, WINDOW & SIDING SEALANT W/KEVLAR
Product Code: 07800, 07891

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Use: Caulking (Exterior).

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Tower Sealants
2095 Memorial Park Road
Gainesville, Georgia
30504 USA

Telephone Number: 1-770-535-8780

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: CHEMTREC: 1-800-424-9300

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

Hazard class

Skin irritation 2
Eye irritation 2A
Skin sensitization 1
Specific target organ toxicity - Repeated exposure 1

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

Hazard Pictogram:



Signal Word: Danger

Hazard Statement: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure.

Prevention: Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Response: Get medical advice/attention if you feel unwell. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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Storage: Not applicable.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 ADDITIONAL INFORMATION

Hazards not otherwise classified: Not applicable.

2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

WHMIS Classification(s):
 Class D2A - Teratogenicity and Embryotoxicity
 Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:



WHMIS Signal Word: WARNING

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Ingredient	CAS No	Wt. %
Calcium carbonate	1317-65-3	10 - 30
Sodium lauryl sulfate	151-21-3	1 - 5
Ethylene glycol	107-21-1	0.5 - 1.5
Titanium dioxide	13463-67-7	0.5 - 1.5
Ammonium hydroxide	1336-21-6	0.1 - 1
Stoddard solvent	8052-41-3	0.1 - 1
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	2530-83-8	0.1 - 1
1,2-Benzisothiazolone	2634-33-5	0.1 - 1
3-Iodo-2-propynyl butylcarbamate	55406-53-6	0.1 - 1
Ethyl acrylate	140-88-5	< 0.1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Section 4: FIRST- AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURE

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

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Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Inhalation: May cause respiratory tract irritation. May cause headache and dizziness.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not flammable by WHMIS/OSHA criteria.

5.2 EXTINGUISHING MEDIA

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: None known.

5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool. Material may splatter if heated above 93°C / 200°F.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid contact with skin and eyes.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment: Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

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Methods for Cleaning-Up: Preferred method would be to scrape up spilled material and place in secondary container for disposal. Smaller spills can also be wiped up. Residual material can be removed with the assistance of hot water and soap. Provide ventilation.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Do not swallow. Do not breathe dust/fume/gas/mist/vapors/spray. Handle and open container with care. Use only in well-ventilated areas. When using do not eat, drink or smoke. (See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated area. Keep from freezing. (See section 10)

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines

Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV
Calcium carbonate	15 mg/m ³ (total) 5 mg/m ³ (resp)	10 mg/m ³
Sodium lauryl sulfate	Not available.	Not available.
Ethylene glycol	Not available.	100 mg/m ³ Ceiling (aerosol only)
Titanium dioxide	15 mg/m ³ (total dust)	10 mg/m ³
Ammonium hydroxide	Not available.	Not available.
Stoddard solvent	2900 mg/m ³ ; 500 ppm	100 ppm
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Not available.	Not available.
1,2-Benzisothiazolone	Not available.	Not available.
3-Iodo-2-propynyl butylcarbamate	Not available.	Not available.
Ethyl acrylate	5 ppm	5 ppm

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Wear eye protection.

Skin Protection:

Hand Protection: Wear chemical resistant gloves.

Body Protection: Wear suitable protective clothing.

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Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

General Health and Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste.
Color:	White or coloured.
Odor:	Sweet acrylic, with a mild ammonia odor.
Odor Threshold:	Not available.
Physical State:	Liquid.
pH:	7.5 – 9.0
Melting Point/Freezing Point:	< 0 °C (< 32 °F)
Initial Boiling Point and Boiling Range:	> 93 °C (> 200 °F)
Flash Point:	Not applicable.
Evaporation Rate:	Slower than ether.
Flammability:	Not flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	25 mm Hg @ 20 °C (68 °F)
Vapor Density:	> 1 (Air = 1)
Relative Density/Specific Gravity:	Not available.
Solubility:	Dispersible.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.

Section 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions.

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10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

Eye: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation. May cause headache and dizziness.

Acute Toxicity:

Ingredient	LC50	LD50
Calcium carbonate	Not available.	Oral 6450 mg/kg, rat
Sodium lauryl sulfate	Inhalation >3900 mg/m ³ 1h, rat	Oral 1288 mg/kg, rat Dermal 580 mg/kg, rabbit
Ethylene glycol	Not available.	Oral 4000 mg/kg, rat Dermal 9530 µL/kg, rabbit
Titanium dioxide	Not available.	Oral >10000 mg/kg, rat Dermal >10000mg/kg, rabbit
Ammonium hydroxide	Not available.	Oral 350 mg/kg, rat
Stoddard solvent	Not available.	Not available.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Inhalation > 5.3 mg/L 4h, rat	Oral 22600 µL/kg, rat Dermal 3970 µL/kg, rabbit
1,2-Benzisothiazolone	Not available.	Oral 1020 mg/kg, rat
3-Iodo-2-propynyl butylcarbamate	Inhalation 0.78 mg/L 4h, rat	Oral 300-500 mg/kg, rat Dermal >2000 mg/kg, rat
Ethyl acrylate	Inhalation 1414 ppm 4 h, rat	Oral 800 mg/kg, rat Dermal 500 µL/kg, rabbit

Calculated overall Chemical Acute Toxicity Values

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
>20 mg/L 4h, rat	> 2000 mg/kg, rat	> 2000 mg/kg, rabbit

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Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Calcium carbonate	Not listed.
Sodium lauryl sulfate	Not listed.
Ethylene glycol	G-A4
Titanium dioxide	G-A3, I-2B, CP65 (airborne, unbound particles of respirable size)
Ammonium hydroxide	Not listed.
Stoddard solvent	Not listed.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Not listed.
1,2-Benzisothiazolone	Not listed.
3-Iodo-2-propynyl butylcarbamate	Not listed.
Ethyl acrylate	G-A4, I-2B, O, CP65

* See Section 15 for more information.

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

- Skin Corrosion/Irritation:** Causes skin irritation.
- Serious Eye Damage/Irritation:** Causes serious eye irritation.
- Respiratory Sensitization:** Based on available data, the classification criteria are not met.
- Skin Sensitization:** May cause an allergic skin reaction.
- STOT-Single Exposure:** Based on available data, the classification criteria are not met.
- Chronic Health Effects:**
 - Carcinogenicity:** Based on available data, the classification criteria are not met.
 - Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.
- Reproductive Toxicity:**
 - Developmental:** Based on available data, the classification criteria are not met.
 - Teratogenicity:** Hazardous by WHMIS criteria.
 - Embryotoxicity:** Hazardous by WHMIS criteria.
 - Fertility:** Based on available data, the classification criteria are not met.
- STOT-Repeated Exposure:** Causes damage to organs through prolonged or repeated exposure.
- Aspiration Hazard:** Based on available data, the classification criteria are not met.
- Toxicologically Synergistic Materials:** Not available.
- Other Information:** Not available.

Section 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

- Acute/Chronic Toxicity:** May cause long-term adverse effects in the aquatic environment.

12.2 PERSISTENCE AND DEGRADABILITY

Not available.

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12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not available.

12.4 MOBILITY IN SOIL

Not available.

12.5 OTHER ADVERSE EFFECTS

Not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

Section 14: TRANSPORT INFORMATION

14.1 UN NUMBER

DOT

Not regulated.

TDG

Not regulated.

14.2 UN PROPER SHIPPING NAME

DOT

Not applicable.

TDG

Not applicable.

14.3 TRANSPORT HAZARD CLASS (ES)

DOT

Not applicable.

TDG

Not applicable.

14.4 PACKING GROUP

DOT

Not applicable.

TDG

Not applicable.

14.5 ENVIRONMENTAL HAZARDS

Not available.

14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available.

14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

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US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.
Sodium lauryl sulfate	Not listed.	Not listed.	Not listed.	Not listed.
Ethylene glycol	Not listed.	Not listed.	5,000	313
Titanium dioxide	Not listed.	Not listed.	Not listed.	Not listed.
Ammonium hydroxide	Not listed.	Not listed.	1,000	313
Stoddard solvent	Not listed.	Not listed.	Not listed.	Not listed.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Not listed.	Not listed.	Not listed.	Not listed.
1,2-Benzisothiazolone	Not listed.	Not listed.	Not listed.	Not listed.
3-Iodo-2-propynyl butylcarbamate	Not listed.	Not listed.	Not listed.	313
Ethyl acrylate	Not listed.	Not listed.	1,000	313

State Regulations

California Proposition 65:

This product contains a chemical known to the State of California to cause cancer.

Global Inventories:

Ingredient	Canada DSL/NDSL	USA TSCA
Calcium carbonate	NDSL	Yes.
Sodium lauryl sulfate	DSL	Yes.
Ethylene glycol	DSL	Yes.
Titanium dioxide	DSL	Yes.
Ammonium hydroxide	DSL	Yes.
Stoddard solvent	DSL	Yes.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	DSL	Yes.
1,2-Benzisothiazolone	DSL	Yes.
3-Iodo-2-propynyl butylcarbamate	DSL	Yes.
Ethyl acrylate	DSL	Yes.

NFPA National Fire Protection Association:

Health:	2
Fire:	1
Reactivity:	0

HMIS-Hazardous Materials Identification System

Health:	2*
Fire:	1
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65 **California Proposition 65**

OSHA (O) **Occupational Safety and Health Administration.**

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ACGIH (G) American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Date of Preparation: October 8, 2014**Expiry Date:** October 8, 2017**Version:** 1.0**Revision Date:** October 8, 2014

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End of Safety Data Sheet