

# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** ProSpec B-150 Epoxy Adhesive PART B Hardener  
**Product Code:** 65464501 (1 gal)

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Use:** Various.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** H.B. Fuller Construction Products Inc.  
 1105 S. Frontenac Street  
 Aurora, IL 60504

**Telephone Number:** Phone: 1-800-552-6225

### 1.4 EMERGENCY TELEPHONE NUMBER

Medical Emergency Phone Number  
 (24 Hours): 1-888-853-1758

Transport Emergency Phone Number  
 (CHEMTREC): 1-800-424-9300

**Date of Preparation:** February 1, 2013    **Version #:** 1.0

## Section 2: HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE CHEMICAL

**Hazard class**

Acute toxicity 4 (Oral)  
 Acute toxicity 3 (Dermal)  
 Skin corrosion 1B  
 Serious eye damage 1  
 Skin sensitization 1  
 Carcinogenicity 1A  
 Specific target organ toxicity - Repeated exposure 1

### 2.2 LABEL ELEMENTS

**Hazard Pictogram:**



**Signal Word:** Danger

**Hazard Statement:** Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**Prevention:** Wear protective gloves/protective clothing/eye protection/face

## SAFETY DATA SHEET

protection. Do not handle until all safety precautions have been read and understood. Do not breathe gas/fumes/vapour/spray. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wash hands thoroughly after handling.

**Response:** If exposed or concerned: Get medical advice/attention. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor

**Storage:** Store locked up.

**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.

17.2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

This product is a hazardous chemical as defined by NOM-018-STPS-2000.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

| Ingredient                  | UN #           | H / F / R / *  | CAS No     | Wt. %   |
|-----------------------------|----------------|----------------|------------|---------|
| Tetraethylenepentamine      | UN2320         | Not available. | 112-57-2   | 30 - 60 |
| Silica, crystalline, quartz | Not available. | Not available. | 14808-60-7 | 15 - 40 |
| Titanium dioxide            | Not available. | 1/0/0          | 13463-67-7 | < 0.1   |

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

\* Per NOM-018-STPS-2000

### 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. Get medical attention immediately.

**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.

## SAFETY DATA SHEET

**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.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye:** Causes serious eye damage. May cause serious chemical burns. Severe irritation, redness and pain.

**Skin:** Toxic in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** 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).

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### Section 5: FIRE-FIGHTING MEASURES

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#### 5.1 FLAMMABILITY

**Flammability:** Not flammable by WHMIS/OSHA criteria.

#### 5.2 EXTINGUISHING MEDIA

**Suitable Extinguishing Media:** Treat for surrounding material.

**Unsuitable Extinguishing Media:** Not available.

#### 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).

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### Section 6: ACCIDENTAL RELEASE MEASURES

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#### 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.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Scoop up material and place in a disposal container. Provide ventilation.

# SAFETY DATA SHEET

## Section 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

- Handling:** Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (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 locked up and out of reach of children. Keep container tightly closed. (See section 10)

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### Exposure Guidelines

| Occupational Exposure Limits |  |                         |
|------------------------------|--|-------------------------|
| Ingredient                   | OSHA-PEL   | ACGIH-TLV               |
| Tetraethylenepentamine       | Not available.   | Not available.          |
| Silica, crystalline, quartz  | ((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp))<br>((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total))<br>((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp)) | 0.025 mg/m <sup>3</sup> |
| Titanium dioxide             | 15 mg/m <sup>3</sup> (total dust)  | 10 mg/m <sup>3</sup>    |

### 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 MEASSURES

#### Personal Protective Equipment:

**Eye/Face Protection:** Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

#### Skin Protection:

**Hand Protection:** Wear suitable waterproof gloves.

**Body Protection:** Wear suitable waterproof protective clothing.

**Respiratory Protection:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

**General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

**SAFETY DATA SHEET****Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|   |                 |
|---|-----------------|
| <b>Appearance:</b>                              | Not available.  |
| <b>Color:</b>                                   | Not available.  |
| <b>Odor:</b>                                    | Not available.  |
| <b>Odor Threshold:</b>                          | Not available.  |
| <b>Physical State:</b>                          | Liquid.         |
| <b>pH:</b>                                      | Not available.  |
| <b>Melting Point/Freezing Point:</b>            | Not available.  |
| <b>Initial Boiling Point and Boiling Range:</b> | Not available.  |
| <b>Flash Point:</b>                             | Not available.  |
| <b>Evaporation Rate:</b>                        | Not available.  |
| <b>Flammability:</b>                            | Not Flammable.  |
| <b>Lower Flammability/Explosive Limit:</b>      | Not available.  |
| <b>Upper Flammability/Explosive Limit:</b>      | Not available.  |
| <b>Vapor Pressure:</b>                          | Not available.  |
| <b>Vapor Density:</b>                           | Not available.  |
| <b>Relative Density/Specific Gravity:</b>       | Not available.  |
| <b>Solubility:</b>                              | Not available.  |
| <b>Partition coefficient: n-octanol/water:</b>  | Not available.  |
| <b>Auto-ignition Temperature:</b>               | Not available.  |
| <b>Decomposition Temperature:</b>               | Not available.  |
| <b>Viscosity:</b>                               | Not available.  |
| <b>Percent Volatile, wt. %:</b>                 | Not applicable. |
| <b>VOC content, wt. %:</b>                      | 10 g/L          |

**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.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

No dangerous reaction known under conditions of normal use.

**10.4 CONDITIONS TO AVOID**

Incompatible materials.

## SAFETY DATA SHEET

### 10.5 INCOMPATIBLE MATERIALS

None known.

### 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 damage. May cause serious chemical burns. Severe irritation, redness and pain.

**Skin:** Toxic in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.

**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

**Acute Toxicity:**

| Ingredient                  | IDLH   | LC50           | LD50   |
|-----------------------------|--|----------------|--|
| Tetraethylenepentamine      | Not available.   | Not available. | Oral 2100 mg/kg, rat<br>Dermal 660 mg/kg, rabbit     |
| Silica, crystalline, quartz | Ca [25 mg/m <sup>3</sup> (cristobalite, tridymite) 50 mg/m <sup>3</sup> (quartz, tripoli)] | Not available. | Oral 500 mg/kg, rat                                  |
| Titanium dioxide            | Ca 5000 mg/m <sup>3</sup>  | Not available. | Oral >10000 mg/kg, rat<br>Dermal >10000mg/kg, rabbit |

#### Calculated overall Chemical Acute Toxicity Values

| LC50 (inhalation) | LD50 (oral)      | LD50 (dermal)       |
|-------------------|------------------|---------------------|
| Not available.    | 843.8 mg/kg, rat | 665.1 mg/kg, rabbit |

| Ingredient                  | Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)* |
|-----------------------------|---|
| Tetraethylenepentamine      | Not listed.   |
| Silica, crystalline, quartz | G-A2, I-1, N-1, CP65  |
| Titanium dioxide            | G-A4, I-2B, O, CP65   |

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

**Skin Corrosion/Irritation:** Causes serious eye damage.

**Serious Eye Damage/Irritation:** Causes severe skin burns.

**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:** May cause cancer.

## SAFETY DATA SHEET

**Germ Cell Mutagenicity:** This product is not classified as a mutagen.

**Reproductive Toxicity:**

**Developmental:** Based on available data, the classification criteria are not met.

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA 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.

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### Section 12: ECOLOGICAL INFORMATION

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**12.1 ECOTOXICITY**

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

**12.2 PERSISTENCE AND DEGRADABILITY**

Not available.

**12.3 BIOACCUMULATIVE POTENTIAL**

**Bioaccumulation:** Not available.

**12.4 MOBILITY IN SOIL**

Not available.

**12.5 OTHER ADVERSE EFFECTS**

Not available.

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### Section 13: DISPOSAL CONSIDERATIONS

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**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.

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### Section 14: TRANSPORT INFORMATION

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**14.1 UN NUMBER**

|                |                |                          |
|----------------|----------------|--------------------------|
| <b>DOT</b>     | <b>TDG</b>     | <b>NOM-004-SCT2-1994</b> |
| Not regulated. | Not regulated. | Not regulated.           |

**14.2 UN PROPER SHIPPING NAME**

|                 |                 |                          |
|-----------------|-----------------|--------------------------|
| <b>DOT</b>      | <b>TDG</b>      | <b>NOM-004-SCT2-1994</b> |
| Not applicable. | Not applicable. | Not applicable.          |

## SAFETY DATA SHEET

### 14.3 TRANSPORT HAZARD CLASS (ES)

|                 |                 |                          |
|-----------------|-----------------|--------------------------|
| <b>DOT</b>      | <b>TDG</b>      | <b>NOM-004-SCT2-1994</b> |
| Not applicable. | Not applicable. | Not applicable.          |

### 14.4 PACKING GROUP

|                 |                 |                          |
|-----------------|-----------------|--------------------------|
| <b>DOT</b>      | <b>TDG</b>      | <b>NOM-004-SCT2-1994</b> |
| Not applicable. | Not applicable. | 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

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

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

**Mexico:** MSDS prepared pursuant to NOM-018-STPS-2000.

| SARA Title III              |                                 |                              |                     |             |
|-----------------------------|---------------------------------|------------------------------|---------------------|-------------|
| Ingredient                  | Section 302 (EHS)<br>TPQ (lbs.) | Section 304<br>EHS RQ (lbs.) | CERCLA<br>RQ (lbs.) | Section 313 |
| Tetraethylenepentamine      | Not listed.                     | Not listed.                  | Not listed.         | Not listed. |
| Silica, crystalline, quartz | Not listed.                     | Not listed.                  | Not listed.         | Not listed. |
| Titanium dioxide            | Not listed.                     | Not listed.                  | Not listed.         | Not listed. |

#### State Regulations

#### California Proposition 65:

This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### Global Inventories

| Ingredient                  | Canada<br>DSL/NDSL | USA<br>TSCA |
|-----------------------------|--------------------|-------------|
| Tetraethylenepentamine      | DSL                | Yes.        |
| Silica, crystalline, quartz | DSL                | Yes.        |
| Titanium dioxide            | DSL                | Yes.        |



## SAFETY DATA SHEET

| NFPA - National Fire Protection Association: |   |
|--|---|
| Health:                                      | 3 |
| Fire:  | 1 |
| Reactivity:                                  | 0 |

| HMIS - Hazardous Materials Identification System |    |
|--|----|
| Health:  | 3* |
| Fire:  | 1  |
| Reactivity:                                      | 0  |

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

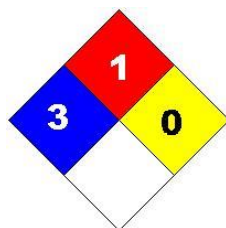
**WHMIS Classification(s):**

- Class D2A - Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin Sensitization
- Class E - Corrosive Material

**WHMIS Hazard Symbols:**



**Mexico Classification:**



**Blue = Health   Red = Flammability   Yellow = Reactivity   White = Special**

**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.**

**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.

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## SAFETY DATA SHEET

**NTP (N)**      **National Toxicology Program.**  
1 - Known to be carcinogens.  
2 - Reasonably anticipated to be carcinogens.

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### Section 16: OTHER INFORMATION

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**Date of Preparation:**      February 1, 2013

**Expiry Date:**              February 1, 2016

**Version:**                    1.0

**Revision Date:**            February 1, 2013

**Disclaimer:** We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

## End of Safety Data Sheet