SpecSeal® Cast-In Firestop Device
by Specified Technologies Inc.

**CLASSIFICATION:** 07 84 00 Firestopping, 07 84 13 Penetration Firestopping

**PRODUCT DESCRIPTION:** SpecSeal® Cast-In Firestop Devices consist of molded plastic sleeves incorporating an intumescent firestopping system and flexible smoke and water resistant seal. The molded plastic body can be easily cut as required to accommodate concrete thickness even in as little as 2-1/2 in. (64 mm) of concrete. The 2, 3, 4 and 6 in. (51, 76, 102 and 152 mm) devices are sized to accommodate pipes ranging from 1-1/2 to 6 in. (38 to 152 mm) trade sizes. The 2, 3 and 4 in. devices are sold in four different heights, 8 in. (203 mm), 10 in. (254 mm), 20 in. (508 mm) and 36 in. (914 mm) to cover a large range of concrete thicknesses. The 6 in. (152 mm) device is 8 in. (203 mm) high and requires extension tubes (Cat No.: CD600X) to lengthen the device for situations where the floor thickness is greater than 8 in. (203 mm). Accessories are available to adapt SpecSeal® Cast-In Firestop Devices to other uses. Available accessories include a steel deck kit to facilitate installation in fluted metal deck as well as tub box and aerator adaptor.

### Section 1: Summary

#### Basic Method / Product Threshold

<table>
<thead>
<tr>
<th>CONTENT INVENTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inventory Reporting Format</strong></td>
</tr>
<tr>
<td>Nested Materials Method</td>
</tr>
<tr>
<td>Basic Method</td>
</tr>
<tr>
<td><strong>Threshold Disclosed Per</strong></td>
</tr>
<tr>
<td>Material</td>
</tr>
<tr>
<td>Product</td>
</tr>
</tbody>
</table>

#### Threshold level

<table>
<thead>
<tr>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Considered</td>
</tr>
<tr>
<td>Partially Considered</td>
</tr>
<tr>
<td>Not Considered</td>
</tr>
</tbody>
</table>

**All Substances Above the Threshold Indicated Are:**

- **Characterized** Yes Ex/SC Yes ☑ No
- **Screened** Yes Ex/SC Yes ☑ No
- **Identified** Yes ☑ No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE**

- SPECSEAL® CAST-IN FIRESTOP DEVICE | GRAPHITE | LT-UNK | UNDISCLOSED | LT-UNK | UNDISCLOSED NoGS
- METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) | LT-UNK | RES | MUL | SKI | EYE | CAN
- 2,2’-BIS-6-TERC.BUTYL-P-KRESYLMETHAN | LT-P1 | END | REP | UNDISCLOSED LT-UNK | RES | MUL | CAN

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

#### CERTIFICATIONS AND COMPLIANCE

- **VOC emissions:** N/A
- **CONSISTENCY WITH OTHER PROGRAMS**
  - Pre-checked for LEED v4 Material Ingredients, Option 1

#### THIRD PARTY VERIFICATION

- **Preparer:** Self-Prepared
- **Verifier:**
- **Verification #:**
- **Screening Date:** 2019-03-22
- **Published Date:** 2019-03-22
- **Expiry Date:** 2022-03-22

---

SpecSeal Cast-In Firestop Device
hpdepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 1 of 6
This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

---

**SPECSEAL® CAST-IN FIRESTOP DEVICE**

**PRODUCT THRESHOLD:** 1000 ppm 
**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** This product does not contain any residuals.

**OTHER PRODUCT NOTES:** This product does not contain any residuals.

---

**GRAPHITE**

**ID:** 7782-42-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Intumescent</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.0000 - 50.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found

**SUBSTANCE NOTES:** This material in the intumescent in the product.

---

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 40.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found

**SUBSTANCE NOTES:** This material is part of the binder in the product.

---

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: plasticizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.0000 - 30.0000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found
### METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)

**Identifier:** 101-68-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0000 - 4.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **RESPIRATORY**  
  AOEC - Asthmagens  
  Asthmagen (G) - generally accepted

- **RESTRICTED LIST**  
  US EPA - PPT Chemical Action Plans  
  EPA Chemical of Concern - Action Plan published

- **SKIN IRRITATION**  
  EU - GHS (H-Statements)  
  H315 - Causes skin irritation

- **SKIN SENSITIZE**  
  EU - GHS (H-Statements)  
  H317 - May cause an allergic skin reaction

- **EYE IRRITATION**  
  EU - GHS (H-Statements)  
  H319 - Causes serious eye irritation

- **RESPIRATORY**  
  EU - GHS (H-Statements)  
  H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

- **CANCER**  
  EU - GHS (H-Statements)  
  H351 - Suspected of causing cancer

- **RESPIRATORY**  
  US EPA - PPT Chemical Action Plans  
  Inhalation sensitizer causing asthma and lung damage

- **CANCER**  
  MAK  
  Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

- **RESPIRATORY**  
  MAK  
  Sensitizing Substance Sah - Danger of airway & skin sensitization

**SUBSTANCE NOTES:** This material is part of the binder in the product.

### 2,2'-BIS-6-TERC.BUTYL-P-KRESYLMETHAN

**Identifier:** 119-47-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5000 - 1.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>antioxidant</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **ENDOCRINE**  
  TEDX - Potential Endocrine Disruptors  
  Potential Endocrine Disruptor

- **REPRODUCTIVE**  
  Australia - GHS  
  H360F - May damage fertility

**SUBSTANCE NOTES:** This material is the antioxidant in the product.

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-22

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**SUBSTANCE NOTES:** This material is the plasticizer in the product.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (G) - generally accepted</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>US EPA - PPT Chemical Action Plans</td>
<td>Inhalation sensitizer causing asthma and lung damage</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This material is part of the binder in the product.
Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_Cast-in%20Firestop%20Device.pdf">https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_Cast-in%20Firestop%20Device.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2017-01-20</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>01-20</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Self-declared</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: Not Applicable. See SDS. (Certificate URL)

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Applications: SpecSeal® Cast-In Firestop Devices are engineered for use in concrete floors to form firestopped openings for various through penetrating items including plastic or metal pipes, cables, and insulated pipes.

Specifications: The firestop system shall be a single component, molded plastic sleeve supplied with a fully encapsulated, tamper-proof integral firestop system and smoke sealing gasket. The device shall be installed in accordance with the manufacturer's written instructions. The device shall also be classified by Underwriters Laboratories Inc. (UL) as a through-penetration firestop device when tested to ASTM E814 (ANSI/UL1479) or CAN/ULC-S115 for up to a 3 hr rating. Specified Divisions: Division 07 84 13 Penetration Firestopping, Division 22 00 00 Plumbing, Division 23 00 00 HVAC, Division 26 00 00 Electrical Performance. SpecSeal® Cast-In Firestop Devices have been successfully tested in accordance with ASTM E814 (ANSI/UL1479) and CAN/ULC-S115 in one, two, and three hour fire-rated floor assemblies. Consult factory for individual system designs and application requirements. 2", 3" and 4" devices only tested to a pressure differential of 50 Pa. Features & Benefits:

• The 2, 3 & 4 in. sizes are MADE in USA
• Saves money by eliminating core drilling
• Saves time - No firestopping step required
• Visible yellow tube for added job site safety
• Provides pre-installed fire and smoke seal
• Provides added protection against transient water
• Adapts to a wide variety of construction conditions
• Pipes can be installed from top or bottom
• Four heights for a greater range of concrete depth
• Environmentally friendly
• CAN/ULC-S115 classified

See ordering information
• Factory-metered dose of intumescence; eliminates guess work
• 2", 3" and 4" devices only tested with a pressure differential of 50 Pa.

SpecSeal Cast-In Firestop Device
hpdrepository.hpd-collaborative.org
MANUFACTURER INFORMATION

MANUFACTURER: Specified Technologies Inc.
ADDRESS: 210 Evans Way
Somerville NJ 08876, United States
WEBSITE: www.stifirestop.com

CONTACT NAME: George Gornick, LEED Green Associate
TITLE: Applications Engineer
PHONE: 800-992-1180, Ext. 1013
EMAIL: ggornick@stifirestop.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple hazards
- NEU Neurotoxicity
- OZO Ozone depletion
- PBT Persistent Bioaccumulative Toxic
- PHY Physical Hazard (reactive)
- REP Reproductive toxicity
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- LAN Land Toxicity
- NF Not found on Priority Hazard Lists

GreenScreen (GS)

- BM-4 Benchmark 4 (prefer-safer chemical)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (insufficient data to benchmark)
- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS Unknown (no data on List Translator Lists)

Recycled Types

- PreC Preconsumer (Post-Industrial)
- PostC Postconsumer
- Both Both Preconsumer and Postconsumer
- Unk Inclusion of recycled content is unknown
- None Does not include recycled content

Other Terms

Inventory Methods:
- Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
- Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
- Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.