SECTION 1: IDENTIFICATION

PRODUCT NAME
ENVELO-SEAL™ 2.0 IBS “B” Component

CAS NUMBER
Not available

PRODUCT USE
Polyurethane Foam

MANUFACTURER
Specialty Products, Inc. (SPI)

ADDRESS
2410 104th Street Ct S Suite D, Lakewood, WA 98499

PHONE
253-588-7101 (800) 627-0773

FAX
253-588-7196

EMERGENCY CONTACT
FOR SPILLS, LEAKS, FIRE, OR EXPOSURE CALL CHEMTREC
TOLL FREE
800-424-9300

INTERNATIONAL
+1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

GHS PICTOGRAM

NEW GHS SCALE

WARNING

Personal Protective Equipment

EMERGENCY OVERVIEW

HAZARD STATEMENTS

PRECAUTIONARY STATEMENTS

H315 Causes skin irritation.
P264 Wash hands thoroughly after handling.

H317 May cause an allergic skin reaction.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

H320 Causes eye irritation.
P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.

H303 May be harmful if swallowed.
P271 Use only out doors or in a well-ventilated area.

H335 May cause respiratory irritation.
P272 Contaminated work clothing should not be allowed out of the workplace.

H333 May be harmful if inhaled.
P270 Do not eat, drink, or smoke when using this product.

APPEARANCE, COLOR, ODOR:
Liquid, pale yellow, slight odor.

USA: This material is considered hazardous to health by the OSHA Hazard Communication Standard (29 CFR 1910-1200).

READ THE ENTIRE SDS FOR MORE THOROUGH EVALUATION OF THE HAZARDS

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>% WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester polyol</td>
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<td>30-60</td>
</tr>
<tr>
<td>Polyether polyol</td>
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<tr>
<td>1,1,1,3,3-pentafluoropropane</td>
<td>460-73-1</td>
<td>5-13</td>
</tr>
<tr>
<td>Flame retardant</td>
<td>Not available</td>
<td>1-5</td>
</tr>
<tr>
<td>Triethyl phosphate</td>
<td>78-40-0</td>
<td>4-10</td>
</tr>
<tr>
<td>Tertiary amine catalyst</td>
<td>Not available</td>
<td>1-5</td>
</tr>
<tr>
<td>Surfactant</td>
<td>Not available</td>
<td>1-5</td>
</tr>
</tbody>
</table>

SAFETY DATA SHEET
ENVELO-SEAL™ 2.0 IBS “B” Component
Revised Date: 04/29/2019 NP
Version: 10
SDS-034
### SECTION 4: FIRST AID MEASURES

**EYE:**

- **H320**
  - Causes eye irritation. 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.

**SKIN:**

- **H315/317**
  - Causes skin irritation and may cause an allergic skin reaction. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before use.

**INHALATION:**

- **H333/335**
  - May be harmful if inhaled, may cause respiratory irritation. IF INHALED: remove victim to fresh air and Keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**INGESTION:**

- **H303**
  - May be harmful if swallowed. IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison center or doctor/physician IF you feel unwell.

**NOTES TO PHYSICIAN:**

- Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for 48 hours.

### SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:**

- Closed cup: 460°F (238°C)

**HAZARDS WHEN ON FIRE OR NEAR FLAME:**

- May produce toxic fumes of carbon dioxide or carbon monoxide.

**SUITABLE EXTINGUISHING MEDIA:**

- Dry chemical, foam, carbon dioxide, or water fog.

**UNSUITABLE EXTINGUISHING MEDIA:**

- None known.

**SPECIAL EXPOSURE HAZARDS:**

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. If in a fire or heated, a pressure increase will occur and the container may rupture.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:**

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet, and protective clothing should be worn.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:**

- For major spills call CHEMTREC Toll free 1-800-424-9300 for international call 1-703-527-3887

**PERSONAL PRECAUTIONS:**

- Wear appropriate personal protective equipment recommended in SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION of this SDS. Immediately contact emergency personnel. Evacuate the area. Keep upwind avoiding inhalation of vapors. Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection.

**ENVIRONMENTAL PRECAUTIONS:**

- This material may contaminate the environment without proper control and response to spills. Ensure spilled material does not come in contact with soil, waterways, drains, sewers, or other runoff that would further disperse the material. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Sources of ignition should be kept clear.

**METHODS FOR CONTAINMENT:**

- Use diking or capping to control migration. Contain and absorb large spillages with a non-flammable absorbent carrier (such as vermiculite, earth, or sand). DO NOT USE combustible materials such as sawdust. Shovel into open-top drums or plastic bags for further decontamination, if necessary. Remove and properly dispose of residues. Dispose of via a licensed waste disposal contractor (See SECTION 13: DISPOSAL CONSIDERATIONS) Notify applicable government authorities if release is reportable.
### SECTION 7: HANDLING & STORAGE

#### GENERAL:
Ideal storage temperature is 60-90°F (15-32°C). Handling and storage shall be in accordance with local, state/provincial, or federal regulations.

#### HANDLING:
Before opening this package, read and follow warning labels on all components. Avoid contact with the product or reaction mixture. Put on appropriate personal protective equipment. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded, use respirator when ventilation is inadequate. Avoid breathing aerosols, mists, and vapors. (See SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION for details). Do not ingest. Eating, drinking, and smoking shall be prohibited in areas where this material is handled, stored, and processed. Workers shall wash hands and face before eating, drinking, and smoking. Persons with a history of skin sensitization problems, asthma, allergies, or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes, on skin, or clothing. Keep in the original container or an approved alternative made from a compatible material. Kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.

#### STORAGE:
Keep container tightly closed and properly sealed when stored. When possible, store product indoors in a dry, well-ventilated area. Store in original container protected from direct sunlight, away from incompatible materials, and away from food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers and use appropriate containment to avoid environmental contamination.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>COMPONENT NAME</th>
<th>CAS NUMBER</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester polyol</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Polyether polyol</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>1,1,1,3,3-pentafluoropropane</td>
<td>460-73-1</td>
<td>AIHA WEEL (United States, 1/2006)</td>
</tr>
<tr>
<td>Flame retardant</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Triethyl phosphate</td>
<td>78-40-0</td>
<td>Not available</td>
</tr>
<tr>
<td>Tertiary amine catalyst</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Surfactant</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

METHODS FOR CLEANING UP: Only proceed with clean up by taking the appropriate personal protection measures required and ensure surrounding area does not contain further hazards that could worsen the spill, cause migration, or cause further harm (i.e. eliminate any ignition sources). Move any non-contaminated, non-leaking containers from the spill zone if it can be done safely. Dike, dam, or further restrict and stop active leaks without posing further damage or harm to individuals, the environment, and/or structures. Contain and collect spillage. See SECTION 13: DISPOSAL CONSIDERATIONS for disposal information and SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION for recommended Personal Protective Equipment (PPE). Obey all local, state, and federal regulations during clean up.
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

| PHYSICAL STATE: | Liquid | FLASH POINT: | 460°F (238°C) |
| COLOR: | Pale yellow | AUTO-IGNITION TEMPERATURE: | Not available |
| ODOR: | Slight odor | DECOMPOSITION TEMPERATURE: | Not available |
| ODOR THRESHOLD: | Not available | EXPLOSIVE LIMITS: | Not explosive |
| pH: | Not applicable | FLAMMABILITY: | Not available |
| WATER SOLUBILITY: | Not available | BOILING POINT: | Not available |
| PARTITION COEFFICIENT: | Not available | BOILING RANGE: | Not available |
| SPECIFIC GRAVITY: | 114±0.005 g/cc @ 77°F (25°C) | MELTING/FREEZING POINT: | Not available |
| VISCOSITY: | 550±50 cps @ 77°F (25°C) | VAPOR PRESSURE: | Not available |
| EVAPORATION RATE: | Not available | VAPOR DENSITY: | Not available |
| VOC: | Not available | RELATIVE DENSITY: | 9.0±0.05 lbs/gal |
SECTION 10: STABILITY & REACTIVITY

STABILITY: The product is stable.

INCOMPATIBILITY: No specific data.

HAZARDOUS REACTION: No specific data.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGY INFORMATION

ACUTE HEALTH EFFECTS:

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Causes skin irritation and may cause an allergic skin reaction.

INHALATION: May be harmful if inhaled and may cause respiratory irritation.

INGESTION: May be harmful if swallowed.

ACUTE TOXICITY:

<table>
<thead>
<tr>
<th>COMPONENT NAME</th>
<th>CAS NUMBER</th>
<th>LD₅₀ Oral (mg/kg)</th>
<th>LD₅₀ Dermal (mg/kg)</th>
<th>LC₅₀ Inhalation (mg/m³)</th>
<th>4hrs</th>
</tr>
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<tbody>
<tr>
<td>Polyester polyol</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Polyoxyethylene polyol</td>
<td>Not available</td>
<td>2,000-5,000 (rat)</td>
<td>1,000-2,000 (rabbit)</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>1,1,1,3,3-pentafluoropropane</td>
<td>460-73-1</td>
<td>Not available</td>
<td>&gt;2,000 (rabbit)</td>
<td>&gt;1,096 (rat) vapor</td>
<td></td>
</tr>
<tr>
<td>Flame retardant</td>
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<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Triethyl phosphate</td>
<td>78-40-0</td>
<td>1,310 (rat)</td>
<td>Not available</td>
<td>&gt;2,000 (rat) vapor (6 hrs)</td>
<td></td>
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<tr>
<td>Tertiary amine catalyst</td>
<td>Not available</td>
<td>1630 (rat)</td>
<td>280 (rabbit)</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Surfactant</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td></td>
</tr>
</tbody>
</table>

POTENTIAL CHRONIC EFFECTS:

CHRONIC EFFECTS: No known significant effects or critical hazards.

TARGET ORGANS: Contains material which may cause damage to the following organs: kidney, the nervous system, cardiovascular system, central nervous system, and pancreas.

CARCINOGENICITY: The components of this product are not listed by National Toxic Program (NTP), IARC, or regulated as a carcinogen by OSHA.

MUTAGENICITY: No known significant effects or critical hazards.

TERATOGENICITY: Contains material which can cause birth defects.

FERTILITY EFFECTS: No known significant effects or critical hazards.

DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE: Existing respiratory/pulmonary conditions may be aggravated by overexposure.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: Based on a review of the individual components this product may be immediately harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment and is not readily biodegradable.
SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME:

DOT: Other regulated substance, liquid, n.o.s. (contains: Hydrofluorocarbon, trans-Dichloroethylene) * Reportable Quantity is 38,023 lbs. (17,247 kg)

TDG: Not regulated.

IMDG: Not regulated.

IATA: Aviation regulated liquid, n.o.s. (contains: Hydrofluorocarbon, trans-Dichloroethylene)

This product could potentially contaminate aquatic and terrestrial environments if not handled in accordance with all precautions, regulations, and laws. Users, transporters, and all other applicable entities must review, follow, and apply any and all necessary precautions and procedures to eliminate and/or minimize potential hazards or risks to aquatic or terrestrial environments.

<table>
<thead>
<tr>
<th>REGULATORY INFORMATION</th>
<th>UN NUMBER</th>
<th>CLASSES</th>
<th>PG*</th>
<th>LABEL</th>
<th>ADDITIONAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>NA3082</td>
<td>9</td>
<td>III</td>
<td></td>
<td>Reportable Quantity 38,023 lbs. (17,247 kg) For ground, vessel, rail, when in quantities less than the RQ, this product ships non-regulated.</td>
</tr>
<tr>
<td>IATA-DGR Classification</td>
<td>UN3334</td>
<td>9</td>
<td>III</td>
<td></td>
<td>Passenger and Cargo Aircraft Quantity limitation: 450 L Packaging Instruction: 964</td>
</tr>
</tbody>
</table>

*PG: Packaging group
## U.S. Federal Regulations
This material is considered hazardous to health under OSHA Hazard Communication Standard (29 CFR 1910.1200)

### HCS Classification:
- Irritant

### TSCA 8b Inventory:
- All components are listed on the TSCA inventory or are exempt.

### TSCA 5a (2):
- No components listed.

### TSCA 5e:
- No components listed.

### TSCA 12b:
- No components listed.

### Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):
- No components listed.

### Clean Air Act - Ozone Depleting Substances (ODS):
- This product does not contain nor is it manufactured with ozone depleting substances.

### SARA 313 Form R - Reporting Requirements:
- No components listed.

### SARA 311/312:
- Immediate (acute) health hazard.
- Delayed (chronic) health hazard.
- Fire hazard.

### CERCLA Hazardous substances:
- No components listed.

## STATE REGULATIONS:

### PENNSYLVANIA/NEW JERSEY/MASSACHUSETTS - RTK:
- No components listed.

### California Prop 65:
- This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

### 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.

## INTERNATIONAL LISTS:

### Australia inventory (AICS):
- Information not available.

### China inventory (IECSC):
- Information not available.

### Japan inventory:
- Information not available.

### Korea inventory:
- Information not available.

### New Zealand inventory of Chemicals (NZIoC):
- Information not available.

### Phillipines inventory (PICCS):
- Information not available.
### For Your Protection:

The information and recommendations in this publication is to the best of our knowledge, reliable. The toxicity and risk characteristics of products made by SPI will necessarily differ from the toxicity and risk characteristics that occur when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. The user is responsible to comply with all applicable federal, provincial or municipal laws and regulations. SPI MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

### Preparation Information:

This SDS supersedes ALL previous SDS versions.

---

### NFPA & HMIS

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>4</td>
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</tr>
<tr>
<td>3</td>
<td>Serious</td>
</tr>
<tr>
<td>2</td>
<td>Moderate</td>
</tr>
<tr>
<td>1</td>
<td>Slight</td>
</tr>
<tr>
<td>0</td>
<td>No Hazard</td>
</tr>
</tbody>
</table>

---

### NFPA (National Fire Protection Association)

- **Health:** 1
- **Flammability:** 1
- **Reactivity:** 1
- **Special Information:** 1

### HMIS (Hazardous Material Information System)

- **Health:** 1
- **Flammability:** 1
- **Reactivity:** 1
- **Special Information:** 1

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**Note:** The customer is responsible for determining the PPE code for this material. At the time of publishing, the NFPA/HMIS and the New GHS scale had opposite scales of severity. Check the most recent publications for current information.