



## Soy Seal<sup>®</sup> HD Insulation Foam Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Soy Seal <sup>®</sup> HD Insulation Foam
<b>Synonyms/Generic Names:</b>	Closed cell insulation foam, 3.0 pounds per cubic foot. Soy Seal <sup>®</sup> HD Insulation. This MSDS covers material that has been in place for 90 days or more.
<b>Product Use:</b>	Insulation of structures
<b>Manufacturer:</b>	BioBased Technologies <sup>®</sup> LLC 1200 Stewart Place, Springdale, AR 72764. (479) 966-4600 (479) 966-4601 (fax) Website: <a href="http://www.biobased.net">www.biobased.net</a>
<b>In Case Of Emergency Call:</b>	CHEMTREC (800) 424-9300 (24 Hours/Day, 7 Days/Week, US and Canada) or call (collect) at (703) 527-3887 (USA)

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: A gray light weight solid foam. May give off toxic vapors if involved in a structural fire.**

<b>OSHA Hazard Communication Standard:</b>	This product is not considered hazardous.
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**Potential Health Hazards:**

<b>Skin:</b>	May cause irritation if handled with bare hands due to abrasive nature of foam particles.
<b>Eyes:</b>	Particles of foam may irritate eyes like many solids (e.g., sand or dirt).
<b>Inhalation:</b>	Inhalation of foam particles may cause irritation like many solids (e.g., sand or dirt).
<b>Ingestion:</b>	Not an anticipated route of entry. Foam is not considered toxic.
<b>Delayed Effects:</b>	No long term effects anticipated.

**Ingredients found on one of the three OSHA designated carcinogen lists are listed below.**

Ingredient Name	NTP Status	IARC Status	OSHA List
No ingredients listed in this section	----	----	----

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Weight %
Cured closed cell insulation foam	Not applicable	100

Trace impurities and additional material names not listed above may appear in Section 15 of this MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

### 4. FIRST AID MEASURES

<b>Skin:</b>	Wash with soap and water.
<b>Eyes:</b>	Immediately flush eyes with running water. Get medical attention for any irritation.
<b>Inhalation:</b>	Remove to fresh air.

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<b>Ingestion:</b>	Not an anticipated route of entry. Product should not present a toxic hazard.
<b>Advice to Physician:</b>	Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

### Flammable Properties

<b>Flash Point (and method)</b>	Solid material.
<b>Autoignition Temperature:</b>	Not determined
<b>Upper Flame Limit (volume % in air):</b>	Not determined
<b>Lower Flame Limit (volume % in air):</b>	Not determined
<b>Flame Propagation Rate (solids):</b>	Not measured
<b>OSHA Flammability Class: (storage)</b>	None

<b>Extinguishing Media:</b>	Use any standard agent suitable for surrounding structural fire.
<b>Unusual Fire And Explosion Hazards:</b>	Burning foam can release toxic and irritating vapors.
<b>Special Fire Fighting Precautions/Instructions:</b>	Wear self contained breathing apparatus. Avoid skin or eye contact with liquid and vapors.

## **6. ACCIDENTAL RELEASE MEASURES**

<b>In Case Of Spill or Other Release:</b>	Wear work gloves. Pick up or shovel up solids and place into container for reuse or disposal
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## **7. HANDLING AND STORAGE**

<b>Normal Handling:</b>	Use work gloves if handling foam blocks or particles. Avoid breathing dusts.
<b>Storage Recommendations:</b>	As finished foam is “foamed” into place, no special handling is required.

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

<b>Engineering Controls:</b>	Not required
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### Personal Protective Equipment

<b>Skin Protection:</b>	Wear work gloves when handling or removing insulation from buildings.
<b>Eye Protection:</b>	Wear safety glasses as a general good practice.
<b>Respiratory Protection:</b>	Not normally required. Wear a dust mask if dusty conditions exist.
<b>Additional Recommendations:</b>	A source of running water for washing.

### Exposure Guidelines

<b>Ingredient</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>Other Limit</b>
None for foam product	None established	None established	None established

<sup>1</sup> = Limit established by BioBased<sup>®</sup> Insulation.

<sup>2</sup> = Workplace Environmental Exposure Level (AIHA).

<sup>3</sup> = Biological Exposure Index (ACGIH).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	gray solid foam		
<b>Physical State:</b>	Solid		
<b>Odor</b>	None		
<b>Specific Gravity (water = 1.0):</b>	Not determined		
<b>Solubility In Water (weight %):</b>	Not soluble		
<b>pH:</b>	Not applicable		
<b>Boiling Point:</b>	Not applicable		
<b>Freezing Point:</b>	Not applicable		
<b>Viscosity</b>	Solid		
<b>Vapor Pressure:</b>	None		
<b>Vapor Density (air = 1.0):</b>	Not applicable		
<b>Evaporation Rate:</b>	Not applicable	<b>Compared To:</b>	
<b>% Volatiles:</b>	None – Solid Material		
<b>Flash Point:</b>	None – Solid material		

## 10. STABILITY AND REACTIVITY

<b>Normally Stable:</b>	Stable under foreseeable circumstances
<b>Incompatibilities:</b>	None
<b>Hazardous Decomposition Products:</b>	Toxic vapors and oxides or carbon and nitrogen on combustion.
<b>Hazardous Polymerization:</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	This product has not been tested but when burned will generate toxic vapors.
<b>Eye Irritation:</b>	Not an irritant. Solid particles can be irritating like any solid dust.
<b>Skin Irritation:</b>	Not an irritant. Solid particles can be irritating like any solid dust.
<b>Respiratory Contact</b>	Not an irritant. Solid particles can be irritating like any solid dust.
<b>Chronic data:</b>	None.

## 12. ECOLOGICAL INFORMATION

Not considered hazardous.

## 13. DISPOSAL CONSIDERATIONS

### RCRA

<b>Is the unused product a RCRA hazardous waste if discarded?</b>	No
<b>If yes, the RCRA ID number is:</b>	-----

The information offered in Section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

<b>Other Disposal Considerations:</b>	Solid insulation should be disposed off as a construction waste material.
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## 14. TRANSPORT INFORMATION

Shipping Name:	Not regulated
UN ID Number	Not applicable
Packing Group	Not applicable
US DOT Hazard Class:	Not applicable
Canadian TDG Hazard Class:	Not applicable
IMDG Hazard Class (sea):	Not applicable
IATA Hazard Class (air):	Not applicable

## 15. REGULATORY INFORMATION

### Toxic Substances Control Act (TSCA)

TSCA Inventory Status:	Foam is exempt from PMN rules and is manufactured from TSCA listed materials.
Other TSCA Issues:	None

### SARA Title III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

Ingredient	SARA/CERCLA RQ (lb)	SARA EHS TPQ (lb)
No ingredients listed in this section.		

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SARA 311 Hazard Class: None

### SARA 313 Toxic Chemicals:

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

Ingredient	Comment

### State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes. These materials may exist in extremely small quantities immediately after 'blowing' of the insulating foam. It is anticipated that these concentrations should diminish to undetectable within 30 days of foam installation.

Ingredient	Weight %	Comment

Additional Regulatory Information:	None
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### Non-US Regulatory Information.

WHMIS Classification: (Canada)	Not a controlled product. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all
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	the information required by the Controlled Products Regulations.
<b>Other Chemical Inventory Status:</b>	Solid foam material.

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### 16. OTHER INFORMATION

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<b>Current Issue Date:</b>	January 28, 2011
<b>Previous Issue Date:</b>	August 30, 2010
<b>Changes from previous Issue Date:</b>	Address change
<b>Other Product Information:</b>	<ul style="list-style-type: none"><li>When tested according to ASTM E84-04, the Flame Spread rate was <math>\leq 25</math> and the Smoke Level was <math>\leq 450</math></li></ul>

#### Hazard Ratings

<b>HMIS (III)</b>	<b>NFPA</b>
Health – 0	Health – 0
Flammability – 1	Flammability – 1
Physical Hazard – 0	Instability – 0

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