

# MATERIAL SAFETY DATA SHEET

## BUILDBLOCK INSULATING CONCRETE FORMS

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** BUILDBLOCK INSULATING CONCRETE FORMS  
**Product Use** Stay in place insulating concrete forms  
**Manufacturer/Supplier** BUILDBLOCK BUILDING SYSTEMS, LLC  
**Address** 9701 North Broadway Extension  
Oklahoma City, OK 73114  
**General Information Number** (405)-840-3386 (Monday – Friday 8:30 am to 5:30 pm)  
**Emergency Number** (405) 840-3386  
**Revision Date:**  
**MSDS Date:** August 3, 2006  
*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

### 2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#	Concentration	R Phrases	Classification
Polystyrene	9003-53-6	44%	None	None
Polypropylene	9003-07-0	55%	None	None
Pentane	109-66-0	<1.0%	R12, 51/53, R65, R66, R67	F+, Xn, N

### 3. HAZARD IDENTIFICATION

**EU Main Hazards**

Not classified as hazardous.

**Routes of Entry**

- skin contact – eye contact – inhalation

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- skin - eye - respiratory system

**Health Effects - Eyes**

May cause irritation to eyes when hot knifing the material.

**Health Effects - Skin**

No adverse effects expected during normal handling. Dust particles may cause irritation in sensitive individuals.

**Health Effects - Ingestion**

Not an expected route of entry during normal handling and use.

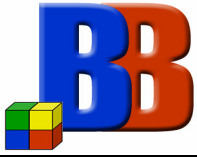
**Health Effects - Inhalation**

Inhalation of vapors when hot knifing the material may cause irritation to respiratory tract, dizziness and drowsiness.

### 4. FIRST AID MEASURES

**Eyes**

Immediately flood the eye with plenty of water for several minutes, holding the eye open. Obtain medical attention if soreness or redness persists.



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### 4. FIRST AID MEASURES

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**Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if redness persists.

**Ingestion**

Obtain medical attention immediately.

**Inhalation**

Seek medical attention if symptoms occur.

**Advice to Physicians**

Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

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**Extinguishing Media**

Use water spray, carbon dioxide and dry chemical.

**Unusual Fire and Explosion Hazards**

May release hazardous vapors during a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

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No specific measures necessary. Material can be swept up and placed in proper disposal containers. Prevent the material from entering drains or watercourses.

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### 7. HANDLING AND STORAGE

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Keep away from heat and sources of ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials. DO NOT store material outside. Store at temperatures between 30° and 70°F.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Pentane**

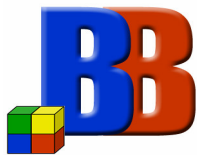
ACGIH TLV: 600 ppm (1770 mg/m<sup>3</sup>) OSHA PEL: 1000 ppm (2950 mg/m<sup>3</sup>)

**Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

**Respiratory Protection**

Respiratory protection should be worn if there is a risk of exposure to high dust concentrations. The specific respirator selected should be based on the airborne concentrations found in the workplace and must not exceed the working limits of the respirator. Only select approved NIOSH/MSHA respirators.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Hand Protection**

General work gloves

**Eye Protection**

Safety goggles

**Body Protection**

Normal work wear.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Color</b>	White
<b>Odor</b>	Slight hydrocarbon
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	Not applicable
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	240 / 464
<b>Flash Point (PMCC) (°C/F)</b>	345-360 / 653-680
<b>Explosion Limits (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Density</b>	1.5 lbs per cubic foot
<b>Solubility in Water</b>	Not soluble
<b>Vapor Density (Air = 1)</b>	Not applicable

### 10. STABILITY AND REACTIVITY

**Stability**

Stable under normal conditions. May become unstable at high temperatures

**Conditions to Avoid**

- Heat - High temperatures – Contact with incompatibles

**Materials to Avoid**

- Hydrocarbons - Aldehydes - Esters – Amines – Oxidizers

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

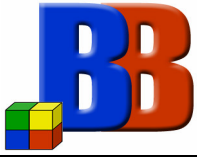
- oxides of carbon - hydrocarbons - soot - styrene monomer - benzene – pentane – ketones

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

Low order of acute toxicity.

Pentane: Oral LD50 (rat) >5,000 mg/kg (based on n-hexane) Dermal LD50 (rabbit) >2,000 mg/kg



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### 11. TOXICOLOGICAL INFORMATION

**Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long term adverse health effects.

**Genotoxicity**

This product is not expected to cause any mutagenic effects.

**Reproductive/Developmental Toxicity**

This product is not expected to cause adverse reproductive effects.

### 12. ECOLOGICAL INFORMATION

**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

The product may be harmful to aquatic organisms.

### 13. DISPOSAL

Dispose of in accordance with all applicable local and national regulations.

### 14. TRANSPORT INFORMATION

<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.

### 15. REGULATORY INFORMATION

**EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

**EC Annex I Classification**

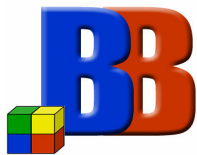
According to EC Commission Directive 67/548/EEC this product is not classified.

**R phrases**

None.

**S phrases**

None.



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### 15. REGULATORY INFORMATION

#### US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

**TSCA Listing**

All ingredients in this product have been verified for inclusion on the EPA Toxic Substance Control Act Chemical Inventory.

**EINECS Listing**

All ingredients in this product have been verified for listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).

**DSL (Canadian) Listing**

All ingredients in this product have been verified for listing on the Domestic Substance List (DSL).

**Canadian WHMIS Classification**

This product is not a controlled substance under WHMIS.

**MA Right To Know Law**

This product contains the following chemicals on the Massachusetts Right to Know Law:-Pentane <1%

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List:- Pentane <1%

**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: – Pentane <1%

**California Proposition 65**

This product does not contain any materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

**SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.

**SARA Title III Sect. 311/312 Categorization**

None

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations. – none

### 16. OTHER INFORMATION

**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards – 0

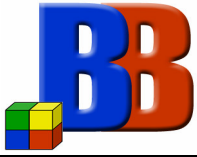
**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8



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### 16. OTHER INFORMATION

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#### Abbreviations

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

F+: Extremely flammable.

Xn: Harmful

N: Dangerous for the environment.

R12: Extremely flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Prepared By:** EnviroNet LLC.

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