



MATERIAL SAFETY DATA SHEET

GREENBLOCK INSULATED CONCRETE FORMS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

Product Name GREENBLOCK INSULATED CONCRETE FORMS
Product Use Stay in place insulating concrete forming system
Manufacturer/Supplier Greenblock Worldwide Corporation
Address 759 S Federal Hwy
Stuart, FL 34994
General Information Number (800) 216-1820 (Monday – Friday 8:30 am to 5:30 pm)
Emergency Number (800) 216-1820
Revision Date:
MSDS Date: November 29, 2009

This MSDS has been compiled in accordance with OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

Emergency Overview CAUTION

May cause irritation to eyes when hot knifing the material. Dust particles may cause irritation.

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. Dust particles may cause mechanical irritation.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Concentration
Polystyrene	9003-53-6	47%
Polypropylene	9010-79-1	52%
Pentane	109-66-0	1.0%

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

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.

5. FIRE - FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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 for extended period of time. Avoid prolonged storage at high temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Pentane

ACGIH TLV: 600 ppm (1770 mg/m³) OSHA PEL: 1000 ppm (2950 mg/m³)

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.

Hand Protection

General work gloves

Eye Protection

Safety goggles

Body Protection

Normal work wear.



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9. PHYSICAL AND CHEMICAL PROPERTIES

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

Materials to Avoid

- Hydrocarbons – Oxidizers – aromatic solvents

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

- oxides of carbon - hydrocarbons - soot - styrene monomer - benzene – pentane – ketones – cyclic low molecular weight oligomers

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

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.



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12. ECOLOGICAL INFORMATION

Bio-accumulation

No relevant studies identified.

Ecotoxicity

The product may be harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

TSCA Listing

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

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 does not contain any chemicals subject to Section 313.



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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

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

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

Prepared By: EnviroNet LLC.

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