

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.19.2018

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FastBloc Building System

SECTION 1: Identification

Product identifier

Product name: FastBloc Building System

Product code: FB8, FB6

Recommended use of the product and restriction on use

Relevant identified uses: Stay-in-place insulated concrete forms

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

North America

ENJ Management, Inc.

Polígono I-K-B del PI-57

Sección Morro Alto

Puerto Peñasco, Sonora. CP 83550

Emergency telephone number:

North America

FastBlocs Construction

1-619-865-3397

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 109-66-0	Pentane	3-7
CAS number: 78-78-4	2-methylbutane	0.2-3

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

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After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

When using a hot knife, vapors may cause irritation to respiratory tract, especially in poorly ventilated areas

Delayed symptoms and effects:

Exposure to vapors may aggravate existing respiratory conditions, such as asthma, bronchitis and inflammatory or respiratory disease

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Inhalation: This material (or a component) sensitizes the myocardium to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmia in individuals exposed to this material. Administration of sympathomimetic drugs should be avoided

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder, carbon dioxide

Unsuitable extinguishing media:

Water jet

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

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Environmental precautions:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing
Sweep or scoop up solid material while minimizing dust generation
Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.
Avoid breathing dust.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against static discharge.
Keep away from heat, sparks, flame and other sources of ignition.

Conditions for safe storage, including any incompatibilities:

Store out of the sun and away from extreme temperatures.
Store in a cool, well-ventilated area.
Do not store with acid, metallic oxide, amines and combustible materials.
Prevent buildup of electro-static charges.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	2-methylbutane	78-78-4	8-Hour Exposure Limit (TLV-TWA): 1000 ppm
	Pentane	109-66-0	8-Hour Exposure Limit (TLV-TWA): 1000 ppm
NIOSH	Pentane	109-66-0	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek]: 350 mg/m ³ (120 ppm)
	Pentane	109-66-0	NIOSH Ceiling 15-min. : 1800 mg/m ³ (610 ppm)
	Pentane	109-66-0	NIOSH Immediately dangerous to life or health (IDLH) concentration: 1500 ppm.
United States (OSHA)	Pentane	109-66-0	OSHA TWA: 1800 mg/m ³ (600 ppm)
	Pentane	109-66-0	OSHA STEL: 2250 mg/m ³ (750 ppm)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace

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may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White beads of pentane
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	79 - 85 °C
Evaporation rate	This product is a non-volatile solid.
Flammability (solid, gas)	Not highly flammable
Upper flammability/explosive limit	8.3 %(V)
Lower flammability/explosive limit	1.4 %(V)
Vapor pressure	Not determined or not available.
Vapor density	Heavier than air.
Density	Approx. 1.02 - 1.05 g/cm ³
Relative density	Not determined or not available.
Solubilities	Immiscible in water.; Soluble in aromatic hydrocarbons, ketones, organic solvents.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	285 °C
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.

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Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame.

Avoid electro-static discharge.

Incompatible materials:

Strong oxidizing agents, aromatic solvents.

Hazardous decomposition products:

Possible thermal decomposition products: gases/vapours, monomers, cyclic low molecular weight oligomers, oxides, hydrocarbons.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

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Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Pentane	May cause drowsiness or dizziness.
2-methylbutane	May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Pentane	May be fatal if swallowed and enters airways.
2-methylbutane	May be fatal if swallowed and enters airways.

Information on likely routes of exposure: No data available.

Symptoms related to the physical, chemical and toxicological characteristics: No data available.

Other information: No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

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SECTION 13: Disposal considerations

Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information


United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN2211
UN proper shipping name	Polymeric Beads, Expandable
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	UN2211
UN proper shipping name	Polymeric Beads, Expandable
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN2211
UN proper shipping name	Polymeric Beads, Expandable
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 311/312 hazards:

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Acute	Chronic	Fire	Pressure	Reactive
No	No	No	No	No

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals: Not determined.

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA):

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

Massachusetts Right to Know:

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

New Jersey Right to Know:

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

New York Right to Know:

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

Pennsylvania Right to Know:

109-66-0	Pentane	Listed
78-78-4	2-methylbutane	Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet