

Name ENRGY 3®.E



Product ID JM Polyiso Insulation, ENRGY 3®.E Classification 07 01 00.00 Thermal and Moisture Protection (insulation water barrier): Operation and Maintenance of Thermal and Moisture Protection

Website www.jm.com/en/building-materials/commercial-roofing

Manufacturer Address: Johns Manville, 717 17th St, Denver, Co 80202. Contact Name: Kelly Sandin, Senior Product Regulatory and Safety Specialist, 303 978 2605, kelly.sandin@jm.com

Description: Next generation polyisocyanurate insulation board where the fire resistance has been engineered into the polymer backbone without the need for added halogenated flame retardants.

Release Date: 2015-07-22, Expiry Date: 2018-07-22, HPD URL: https://builder.hpd-collaborative.org/uploads/files/hpds/647/1115-20150722145651.pdf. Self-declared, Second Party, Third Party, Certifier, Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 1000 ppm. Full Disclosure of Intentional Ingredients: Yes. Full Disclosure of Known Hazards: Yes. Disclosure Notes: No measured residuals.

Contents in Descending Order of Quantity

POLYISOCYANURATE FOAM, Cellulose, PENTANE, Glass filaments, 2-ETHYLHEXANOIC ACID, POTASSIUM SALT, BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE, POTASSIUM ACETATE

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory. Highest concern GreenScreen score - List Translator Possible Benchmark 1: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A. Does the product contain exempt VOCs? N/A. Are there VOC-free tints available? N/A.

Notes

Certifications + Compliance

VOC Emissions: Not tested. VOC Content: N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
POLYISOCYANURATE FOAM	9063-78-9	69.6 %	LT-U	PC	N	Insulating foam
None found	No warnings found on HPD Priority lists					
Cellulose	65996-61-4	21 %		BO	N	Facer
None found	No warnings found on HPD Priority lists					
Amount varies with the thickness of the final product						
PENTANE	109-66-0	5 %	LT-P1	N	N	blowing agent
MAMMALIAN	EU H-Statements: H304: May be fatal if swallowed and enters airways					
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Glass filaments	Not registered	3 %		PI	N	Facer
None found	No warnings found on HPD Priority lists					
Content varies with thickness of final product. No CAS number fro this product.						
2-ETHYLHEXANOIC ACID, POTASSIUM SALT	3164-85-0	1.2 %	LT-U	U	N	catalyst

None found	No warnings found on HPD Priority lists					
BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE	3030-47-5	0.1 %	LT-P1	U	N	Catalyst
MAMMALIAN	EU R-Phrases: R24: Toxic in contact with skin. (also in EU H-Statements)					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
POTASSIUM ACETATE	127-08-2	0.1 %	LT-U	U	N	Catalyst
None found	No warnings found on HPD Priority lists					

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	

NOTES