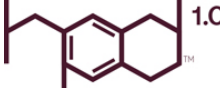


Name		Microlite® EQ Duct Wrap			
Product ID		Classification			
Website		www.jm.com/en/building-materials/mechanical-insulation/equipment-board-andblanketinsulation/duct-wrap-products/			
Manufacturer		Johns Manville		Contact Name	
Address		717 17th St Denver, CO 80202		Kelly Sandin Product Stewardship Manager 303-978-2605 kelly.sandin@jm.com	
Description		Johns Manville Microlite® EQ Formaldehyde-free™ duct wrap insulation is a lightweight, blanket-type insulation with an FSK facing for superior thermal and condensation control. It is recommended for HVAC ducts or surfaces where design parameters prohibit the use of a board product. Installing contractors prefer Microlite EQ's bio-based binder for many reasons including improved handling, easier cutting and less dust. Our manufacturing process ensures consistency during production, which results in consistent product quality.			

Release Date	2015-08-19	☒ Self-declared	
Expiry Date	2018-08-19	☐ Second Party	Certifier
HPD URL	https://builder.hpd-collaborative.org/uploads/files/hpds/647/3536-20150819133935.pdf	☐ Third Party	Certificate #

SUMMARY DISCLOSURE

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

Residuals Disclosure		Full Disclosure of Intentional Ingredients		☒ Yes	☐ No
☐ Measured 100 ppm (ideal)		Full Disclosure of Known Hazards		☒ Yes	☐ No
☐ Measured 1000 ppm		Disclosure Notes			
☐ Predicted by process chemistry		Product is GreenGuard Gold certified.			
☒ As per MSDS (1,000 & 10,000 ppm)					
☐ Not disclosed					
☐ Other					

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Rosin binders

Hazards

☐ PBT (Persistent Bioaccumulative Toxic)
 ☐ Cancer
 ☐ Gene Mutation

Development

☐ Development
 ☐ Reproductive
 ☐ Endocrine
 ☐ Respiratory

Highest concern GreenScreen score - List Translator Unspecified

☐ 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	Does the product contain exempt VOCs?	☒ N/A	☐ Yes	☐ No
Regulatory (g/L)	N/A	Are there VOC-free tints available?	☒ N/A	☐ Yes	☐ No
Notes					

Certifications + Compliance			
VOC Emissions	GreenGuard - Gold (previously Children & Schools)	VOC Content	N/A
Recycled Content	SCS Recycled Content Certification - Products		

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						
GLASS / MINERAL FIBER	65997-17-3	94 %	LT-U	PC	N	Insulation base material
None found	No warnings found on HPD Priority lists					
Fiber glass has passed biopersistence protocols and does not require a cancer warning.						
Rosin binders		6 %		U	N	Binder
None found	No warnings found on HPD Priority lists					
Proprietary bio based binder system.						

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	GreenGuard - Gold (previously Children & Schools)			GreenGuard Environmental Institute (GEI)
	3rd party independent certification	2013-08-15	2016-11-29	productguide.ulenvironment.com/SearchResults.aspx?BrandID=14&perPage=48&
	all			

VOC Content	N/A		
Recycled Content	SCS Recycled Content Certification - Products		
	SCS Global Services		
	3rd party independent certification	2014-09-01	2015-08-31
	All		
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

Uniquely Engineered Binder Technology Our bio-based binder includes rapidly renewable plant-based materials, satisfying increased demand for agriculturally sourced products. Proven Performance Based on Research and Customer Feedback While its appearance has changed to brown, JM Formaldehyde-free fiber glass duct wrap insulation continues to comply with the same industry performance specifications. Feedback from field trials confirms that contractors believe the new bio-based binder product offers additional benefits. Among the benefits highlighted in the feedback: Product transition facts: • JM successfully converted to our new bio-based binder in Canada in Fall 2012 and continues the transition in the U.S. in 2013. • HVAC customers will start to see the new duct wrap as soon as February 2013, with a complete transition anticipated by Summer 2013. • JM's product offering, packaging and product configurations will remain the same. • There are no performance compatibility issues with mixing our existing and new products. They can, and should, be used interchangeably. • Flexible duct media will be the next HVAC product to transition, starting in Summer 2013. Building owners and occupants will continue to benefit from the improved indoor air quality of a formaldehyde-free product. Less dust Tests show that products produced with the bio-based binder are significantly less dusty. Improved handling Contractors have given consistent feedback on improved handling and product feel. Easier cutting Field tests have demonstrated