

Johns Manville Unfaced Formaldehyde-free™ Fiberglass Insulation by Johns Manville

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 07-21-00

PRODUCT DESCRIPTION: JM Unfaced Formaldehyde-free™ thermal and acoustical insulation is made of long, resilient glass fibers bonded with a thermosetting resin. A wide range of thermal resistance R-values are available to provide thermal control for both vertical and horizontal applications.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities Considered in 4 of 4 Materials

Explanation(s) provided for Residuals/Impurities?
 Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

Threshold Disclosed Per

- Material
- Product

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

FIBERGLASS [FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK]
BINDER [ACRYLIC POLYMER NoGS] DEDUSTING OIL [VEGETABLE OIL NoGS] ANTISTATIC PROCESS AID [POLYETHYLENE GLYCOL LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Threshold screened at 1000 ppm per product. Nested materials used.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified
VOC emissions: GreenGuard - Indoor Air Quality Certified
Recycled content: SCS Recycled Content Certification - Products
Formaldehyde content: UL Environmental Claim Validation - Formaldehyde Free

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-08-28

PUBLISHED DATE: 2019-10-08

EXPIRY DATE: 2022-08-28



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

FIBERGLASS

#: 91.09 - 96.81

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Raw materials all converted to glass fibers and do not have any known impurities.

OTHER MATERIAL NOTES: Composition range covers all products.

FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-28

#: 100.00 - 100.00

GS: LT-UNK

RC: Both

NANO: No

ROLE: fiberglass

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

BINDER

#: 2.49 - 7.94

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: JM uses a formaldehyde-free acrylic based thermosetting binder.

OTHER MATERIAL NOTES: The cured binder holds the fiberglass fibers together.

ACRYLIC POLYMER

ID: 9065-11-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-28**%: **100.00 - 100.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

DEDUSTING OIL%: **0.64 - 0.74**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**RESIDUALS AND IMPURITIES NOTES: **No known hazardous impurities present in this plant-based product.**OTHER MATERIAL NOTES: **Dust control agent.****VEGETABLE OIL**

ID: 8008-89-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-28**%: **100.00 - 100.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **dedusting agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

ANTISTATIC PROCESS AID%: **0.02 - 0.23**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities disclosed.**OTHER MATERIAL NOTES: **Anti-static process aid used to reduce or eliminate buildup of static electricity.**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-08-28**

#: **99.01 - 100.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **antistatic processing aid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2013-08-15** EXPIRY DATE: **2020-08-27** CERTIFIER OR LAB: **UL LLC**
APPLICABLE FACILITIES: **All facilities.**
CERTIFICATE URL: <https://spot.ul.com/>
CERTIFICATION AND COMPLIANCE NOTES: **Document #: 42803-420**

VOC EMISSIONS

GreenGuard - Indoor Air Quality Certified

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2013-08-15** EXPIRY DATE: **2020-08-27** CERTIFIER OR LAB: **UL LLC**
APPLICABLE FACILITIES: **All USA manufacturing locations.**
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1ea7255b0e82d946a4bba?page_type=Products%20Catalog#
CERTIFICATION AND COMPLIANCE NOTES: **Document #: 42803-410**

RECYCLED CONTENT

SCS Recycled Content Certification - Products

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2019-09-01** EXPIRY DATE: **2020-08-31** CERTIFIER OR LAB: **SCS Global Services**
APPLICABLE FACILITIES: **4705 58th Street, Innisfail, AB, Canada T4G1A2**
CERTIFICATE URL: https://www.scs-certified.com/products/cert_pdfs/JohnsManville_2019_SCS-MC-02456_s.pdf
CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-MC-02456 Conforms to SCS Recycled Content Standard V7-0 for a Minimum 55% Post-Consumer Recycled Glass Content. The material quantification and mass-balance calculations are completed on a dry-weight basis.**

FORMALDEHYDE CONTENT

UL Environmental Claim Validation - Formaldehyde Free

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2013-08-15** EXPIRY DATE: **2020-08-15** CERTIFIER OR LAB: **UL LLC**
APPLICABLE FACILITIES: **All**
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1ea7255b0e82d946a4bba?page_type=Products%20Catalog#
CERTIFICATION AND COMPLIANCE NOTES: **Document #: 42803-4370**

MULTI-ATTRIBUTE

SCS Environmental Claims Validation - Environmentally Preferable Insulation

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2019-09-01** EXPIRY DATE: **2020-08-31** CERTIFIER OR LAB: **SCS Global Services**
APPLICABLE FACILITIES: **4704 58th Street, Innisfail, AB, Canada T4G1A2**
CERTIFICATE URL: https://www.scs-certified.com/products/cert_pdfs/JohnsManville_2019_SCS-EPI_02459_s.pdf

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-EPI-02459 ENVIRONMENTAL CLAIMS VALIDATION Environmentally Preferable Insulation Conforms to the U.S. Environmental Protection Agency Region 9 and Alameda County, State of California specifications for Environmentally Preferable Insulation (May 2012). The VOC emissions of these products conform to California Specification 01350 (Standard Method v1.2, effective January 1, 2012) for the school classroom1, private office1, and single-family residence1 parameters. See SCS Certificates: SCS-IAQ-02088 and SCS-IAQ-02107. The products contain a Minimum of 55% Post-Consumer Recycled Content. See SCS Certificate: SCS-MC-02456.

RECYCLED CONTENT

SCS Recycled Content Certification - Products

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: 5916 County Road 49, Willows, CA, USA
CERTIFICATE URL:
https://www.scscertified.com/products/cert_pdfs/JohnsManville_2019_SCS-MC-02455_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-09-01	2020-08-31	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-MC-02455 Conforms to SCS Recycled Content Standard V7-0 for a Minimum 36% Post-Consumer Recycled Glass Content. The material quantification and mass-balance calculations are completed on a dry-weight basis.

MULTI-ATTRIBUTE

SCS Environmental Claims Validation - Environmentally Preferable Insulation

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: 5916 County Road 49, Willows, CA, United States
CERTIFICATE URL:
https://www.scscertified.com/products/cert_pdfs/JohnsManville_2019_SCS-EPI_02458_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-09-01	2020-08-31	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-EPI-02458 ENVIRONMENTAL CLAIMS VALIDATION Environmentally Preferable Insulation Conforms to the U.S. Environmental Protection Agency Region 9 and Alameda County, State of California specifications for Environmentally Preferable Insulation (May 2012). The VOC emissions of these products conform to California Specification 01350 (Standard Method v1.2, effective January 1, 2012) for the school classroom, private office, and single-family residence parameters. See SCS Certificates: SCS-IAQ-02088 and SCS-IAQ-02107. The products contain a Minimum of 36% Post-Consumer Recycled Content. See SCS Certificate: SCS-MC-02455.

MULTI-ATTRIBUTE

SCS Indoor Advantage Gold - + Formaldehyde Free

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All facilities.
CERTIFICATE URL:
https://www.scscertified.com/products/cert_pdfs/JohnsManville_2018_SCS-IAQ-02088_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2018-11-01	2019-10-31	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-IAQ-02088 Indoor Advantage™ Gold + Formaldehyde Free Indoor Air Quality Certified to SCS-EC10.3-2014e v4.0 Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom, private office, and single-family residence parameters. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017).

RECYCLED CONTENT

SCS Recycled Content Certification - Products

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **All North American manufacturing facilities.**
CERTIFICATE URL:
https://www.scs-certified.com/products/cert_pdfs/JohnsManville_2019_SCS-MC-03220_s_.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-09-01	2020-08-31	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-MC-03220 Conforms to SCS Recycled Content Standard V7-0 for a Average 28% Post-Consumer Recycled Glass Content. The material quantification and mass-balance calculations are completed on a dry-weight basis. North American Average; Recycled Content Will Vary.**

MULTI-ATTRIBUTE

EcoLogo CCD 016 -Thermal Insulation Materials

CERTIFYING PARTY: Third Party	ISSUE DATE: 2014-05-01	EXPIRY DATE: 2019-11-29	CERTIFIER OR LAB: UL LLC
APPLICABLE FACILITIES: Johns Manville Canada Inc.			
CERTIFICATE URL: https://spot.ul.com/			

CERTIFICATION AND COMPLIANCE NOTES: **Certificate Number 38499-4270**

+ Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

📖 Section 5: General Notes

RESIDENTIAL Johns Manville building insulation products help lower heating and cooling bills and create more comfortable living environments year-round. For either new builds or retrofits, we have the products, resources and dedicated experts to support any home insulation project. **COMMERCIAL** Johns Manville's complete commercial building insulation product line offers outstanding thermal and acoustical performance to help you maximize LEED® credits for the most sustainable structures. As your partner, we're here to provide the products, resources, guidance and on-demand support you need on any job.



MANUFACTURER INFORMATION

MANUFACTURER: **Johns Manville**

ADDRESS: **P. O. Box 5108**

Denver CO 80217-5108, USA

WEBSITE: **<http://www.jm.com/en/building-materials/building-insulation/>**

CONTACT NAME: **Janice Konigsford**

TITLE: **Product Stewardship Manager**

PHONE: **+1 (303) 978-2000**

EMAIL: **ProductStewardship@jm.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.