

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name : Flex-Glas® EQ, Flex-Glas® PC, Microlite® EQ FSK Duct Wrap, Microlite® EQ PSK Duct Wrap, Microlite® FSK Duct Wrap, Microlite® PSK Duct Wrap, Microlite® Unfaced, Microlite® XG™

**Manufacturer or supplier's details**

Company : Johns Manville  
Address : P.O. Box 5108  
Denver, CO USA 80127  
Telephone : +1-303-978-2000  
Emergency telephone number : +1-800-424-9300 (CHEMTREC)

Company : Johns Manville Canada Inc.  
Address : 5301 42 Avenue  
Innisfail, AB Canada T4G 1A2  
Telephone : +1-303-978-2000  
Emergency telephone number : +1-800-424-9300 (CHEMTREC)

Prepared by : productsafety@jm.com

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Glass Fiber Product.

**Hazardous components**

Non-hazardous according to 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015), when used as intended.

**Relevant ingredients**

Chemical name	CAS-No.	Concentration (%)
non-biopersistent (biosoluble) glass fibers	Not Assigned	>= 80 - <= 100 %

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

**SECTION 4. FIRST AID MEASURES**

- General advice : Get medical attention if symptoms occur.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
If on skin, rinse well with water.  
Get medical attention if irritation develops and persists.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : If symptoms persist, call a physician.  
Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation.
- Most important symptoms and effects, both acute and delayed : None known.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
- Methods and materials for containment and cleaning up : Take up mechanically.  
Pick up and arrange disposal without creating dust.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep in a dry, cool place.

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : Stable at normal ambient temperature and pressure.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Glass fibers shown to be biosoluble	Not Assigned		1 fibres per cubic centimeter	ACGIH
Inert or Nuisance Dust, Particulates Not Otherwise Regulated (PNOR)	Not Assigned	PEL (total dust)	15 mg/m <sup>3</sup>	OSHA
		PEL (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA

As a member of the North American Insulation Manufacturers Association (NAIMA), JM subscribes to the NAIMA Product Stewardship Program (NPSP). Under the NPSP, JM recommends that exposures be limited to the voluntary concentration of 1 f/cc TWA. The NPSP also includes work practice and respiratory protection recommendations. For more information, see NAIMA's Health and Safety Reference Library (website: <http://insulationinstitute.org/tools-resources/resource-library/health-safety/>) to find the Product Stewardship Program Pocket Folder (N052) and other Fact Sheets.

**Personal protective equipment**

 Respiratory protection : No personal respiratory protective equipment normally required.  
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Long sleeved clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : solid

Color : white, cream, brown

Odor : slight

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

Odor Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: Not applicable
Initial boiling point and boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data available
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: Not applicable
Solubility(ies)	
Water solubility	: Not applicable
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: Not applicable
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored normally.
Conditions to avoid	: No data available

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>IARC</b>	Group 3: Not classifiable as to its carcinogenicity to humans  Glass fibers shown to be biosoluble
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Further information****Product:**

Remarks: Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : Due to the properties of the product, a hazard to the environment may not be expected.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Disposal of residual product : Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

**SECTION 14. TRANSPORT INFORMATION****International transport regulations**

Land transport

USDOT: Not classified as a dangerous good under transport regulations

TDG: Not classified as a dangerous good under transport regulations

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

**SECTION 15. REGULATORY INFORMATION****TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : Not relevant

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : Not relevant

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

This product does not require a warning under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

**The components of this product are reported in the following inventories:**

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

**Formaldehyde-free™ Fiberglass Duct HVAC Insulation**

Version 2.1

Revision Date 05/20/2019

Print Date 05/20/2019

**Further information**

Revision Date : 05/20/2019

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.