

**Glass Filtration Media Type LFU**

Version 1.1

Revision Date 03/01/2016

Print Date 03/07/2016

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name : Micro-Aire® LFU-8.75B2 - LFU-14.5B2 - LFU-4PLN - LFU-20PLN - LFU-22PLN

Manufacturer or supplier's details

Company : Johns Manville  
Address : P.O. Box 5108  
Denver, CO USA 80127  
Telephone : +1 303-978-2000 8:00AM-5:00PM M-F  
Emergency telephone : 1-800-424-9300 (Chemtrec, in English)  
number

Prepared by : productsafety@jm.com

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Carcinogenicity : Category 1A

Skin sensitisation : Category 1

**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.  
H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
P281 Use personal protective equipment as required.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Storage:**  
P405 Store locked up.  
**Disposal:**

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P501 Dispose of contents/ container to an approved waste disposal plant.

**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.

Abrasion effects should subside after cessation of exposure.

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

Glass microfiber nonwoven consolidated with an uncured binder based on phenol-formaldehyde.

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
formaldehyde	50-00-0	$\geq 0.1$ - $< 1$

**Relevant ingredients**

Chemical Name	CAS-No.	Concentration (%)
Non-biopersistent (biosoluble) glass microfiber	Not Assigned	$\geq 70$ - $\leq 90$ %
Uncured urea-phenol-formaldehyde resin	Not Assigned	$\geq 10$ - $\leq 30$ %

**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	: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
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.
Hazardous combustion products	: Carbon oxides

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Special protective equipment : Wear self-contained breathing apparatus for firefighting if  
for firefighters necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Ensure adequate ventilation.  
protective equipment and Use personal protective equipment.  
emergency procedures

Methods and materials for : Take up mechanically.  
containment and cleaning up Pick up and arrange disposal without creating dust.

### SECTION 7. HANDLING AND STORAGE

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.

Materials to avoid : No materials to be especially mentioned.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
formaldehyde	50-00-0	C	0.3 ppm	ACGIH
		TWA	0.016 ppm	NIOSH REL
		C	0.1 ppm	NIOSH REL
		PEL	0.75 ppm	OSHA CARC
		STEL	2 ppm	OSHA CARC
Nuisance dust	Not Assigned	TWA (Total particulate)	15 mg/m3	OSHA
		TWA (Respirable fraction)	5 mg/m3	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 : When workers are facing concentrations above the exposure  
limit they must use appropriate certified respirators.

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Hand protection

Remarks : Nitrile rubber Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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 : nonwoven

Colour : various

Odour : slight

Odour Threshold : No data available

pH : Not applicable

Melting point/range : Not applicable

: 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

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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 decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: No data available

**SECTION 11. TOXICOLOGICAL INFORMATION****Respiratory or skin sensitisation****Product:**

Remarks: May cause sensitisation of susceptible persons by skin contact.

<b>IARC</b>	Group 1: Carcinogenic to humans	
	formaldehyde	50-00-0
<b>ACGIH</b>	Suspected human carcinogen	
	formaldehyde	50-00-0
<b>OSHA</b>	OSHA specifically regulated carcinogen	
	formaldehyde	50-00-0
<b>NTP</b>	Known to be human carcinogen	
	formaldehyde	50-00-0

**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. Abrasion effects should subside after cessation of exposure. The Special Purpose Fibers used in these products were shown not to be biopersistent in an animal test (i.e., the fibers were biosoluble).

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**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:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

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

Disposal of residual product : In accordance with local and national regulations.

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

These products are not classified as dangerous goods according to international transport regulations.

**SECTION 15. REGULATORY INFORMATION****TSCA list****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
formaldehyde	50-00-0	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
formaldehyde	50-00-0	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 302**

: The following components are subject to reporting levels established by SARA Title III, Section 302:

formaldehyde	50-00-0	0.99 %
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**SARA 313**

: The following components are subject to reporting levels established by SARA Title III, Section 313:

formaldehyde	50-00-0	0.99 %
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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**California Prop 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

formaldehyde	50-00-0
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**The components of this product are reported in the following inventories:**

**TSCA** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**DSL** : All components of this product are on the Canadian DSL.

**SECTION 16. OTHER INFORMATION****Further information**

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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.