SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: Micro-Fiber™ Felt, MICRO-FIBER™ FELT

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)

Recommended use of the chemical and restrictions on use
Restrictions on use: For industrial use only.
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)
Carcinogenicity: Category 2

GHS label elements
Hazard pictograms:

Signal word: Warning
Hazard statements: H351 Suspected of causing cancer if inhaled.
Precautionary statements:
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
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Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature
Glass fiber product

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>biopersistent glass microfibers</td>
<td>Not Assigned</td>
<td>100</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: Get medical attention if symptoms occur.

If inhaled: Remove to fresh air immediately. Get medical attention immediately.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation develops or persists. Wash contaminated clothing before re-use.

In case of eye contact: Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.

If swallowed: Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: Suspected of causing cancer if inhaled.

Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local
Hazardous combustion products: No hazardous combustion products are known

Specific extinguishing methods: 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: Evacuate personnel to safe areas. Use personal protective equipment. Avoid dust formation.

Environmental precautions: Should not be released into the environment.

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: Smoking, eating and drinking should be prohibited in the application area. Minimize dust generation and accumulation. Avoid exposure - obtain special instructions before use. For personal protection see section 8.

Conditions for safe storage: Keep in a dry, cool place.

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic vitreous fibers, special purpose glass fibers</td>
<td>Not Assigned</td>
<td>TWA (Respirable fibers)</td>
<td>1 fibers/cm³</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>
Personal protective equipment

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection
   Material: Protective gloves

Remarks: For prolonged or repeated contact use protective gloves.

Eye protection: Wear safety glasses with side shields or goggles.

Skin and body protection: Wear protective clothing, such as long-sleeved shirts and pants. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: felt

Colour: white, off-white

Odour: odorless

Odour Threshold: No data available

pH: Not applicable

Melting point/range: Not applicable

Boiling point/boiling range: Not applicable

Flash point: does not flash

Evaporation rate: Not applicable

Flammability (solid, gas): Will not burn

Upper explosion limit: Not applicable

Lower explosion limit: Not applicable

Vapour pressure: Not applicable

Relative vapour density: Not applicable

Relative density: No data available

Solubility(ies)
   Water solubility: insoluble
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: None known.
Conditions to avoid: No data available
Incompatible materials: hydrofluoric acid
Hazardous decomposition products: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Respiratory sensitisation: Not classified based on available information.
IARC
Group 2B: Possibly carcinogenic to humans
Special-purpose fibres such as E-glass and ‘475’ glass fibres

OSHA
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 (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

NTP
Reasonably anticipated to be a human carcinogen
Certain Glass Wool Fibers (Inhalable)

Aspiration toxicity
Not classified based on available information.
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 : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

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

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.
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**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** : Carcinogenicity

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 Prop. 65**

⚠️ **WARNING**: This product can expose you to chemicals including glass wool fibers (inhalable and biopersistent), which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

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**SECTION 16. OTHER INFORMATION**

**Further information**
Revision Date : 03/23/2020

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.