SECTION 0. GENERAL INFORMATION

This item meets the definition of article in the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Johns Manville has committed to communicate to its customers the appropriate information for assuring the safe handling and use of its products.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: Evalith™ B10, B15, B20, B25, B30, B40, PR-9, PR-EBF3

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)

Recommended use of the chemical and restrictions on use
Recommended use: Battery Separator/Reinforcement, Duct Insulation Facer
Prepared by: product safety@jm.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
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 particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure. When exposures may exceed any applicable exposure limits, use an appropriate NIOSH-certified respirator or dust mask. Exposure limits are not expected to be exceeded in typical applications.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature
Nonwoven webs composed of glass fibers oriented in a random pattern and bonded together with a resinous binder in a wet laid process. These specialty mats combine chemically resistant glass fibers with an acid resistant binder.

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

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.

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 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.

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>
</table>

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Inert or Nuisance Dust, Particulates Not Otherwise Regulated (PNOR)  
Not Assigned  
PEL (total dust)  15 mg/m³  
PEL (respirable fraction)  5 mg/m³  
OSHA

When exposures may exceed any applicable exposure limits, use an appropriate NIOSH-certified respirator or dust mask. Exposure limits are not expected to be exceeded in typical applications.

**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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance** : solid
- **Odour** : slight
- **Odour Threshold** : No data available
- **pH** : Not applicable
- **Melting point/range** : Not applicable
- **Boiling point/boiling range** : Not applicable
- **Flash point** : Not applicable
- **Evaporation rate** : Not applicable
- **Upper explosion limit** : Not applicable
- **Lower explosion limit** : Not applicable
- **Vapour pressure** : Not applicable
- **Relative vapour density** : Not applicable
- **Density** : Not applicable
- **Solubility(ies)**
  - **Water solubility** : Not applicable
  - **Thermal decomposition** : Not applicable
- **Viscosity**
  - **Viscosity, dynamic** : 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

Further information

During cutting, milling or other processing of these products, particles may be generated that do not represent a health hazard if below the recommended exposure limits for particles not otherwise regulated (PNOR) (inhalable and respirable fraction). Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure. Continuous filament glass fibers do not possess cleavage planes which would allow them to split length-wise into fibers with smaller diameter; rather they break across the fiber, resulting in fibers which are of the same diameter as the original fiber. Microscopic examination of dust from highly chopped and pulverised glass demonstrated the presence of small amounts of respirable dust particles. Among these respirable particles, some were fiber-like in terms of length/diameter ratio (so-called “shards”). It can be clearly observed, however, that they are not regular shaped fibers but irregular shaped particles with fiber-like dimensions. To the best of our knowledge, the exposure levels of these fiber-like dust particles measured at our manufacturing plants are, on an order of magnitude, between 50 to 1000 times below existing occupational exposure limits. Exposures will vary according to environmental and process conditions and exposure duration.

SECTION 12. ECOLOGICAL INFORMATION

Further 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 : 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
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.
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).

Other regulations
Since these products are considered articles according to most of the international chemical regulations, they or their constituents have not to be listed on the national inventories.

SECTION 16. OTHER INFORMATION

Further information

Prepared by productsafety@jm.com

The information provided in this Safe Use Instruction (SUI) 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 emergency response 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.