SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: TempControl Batts, Sound & Fire Block Batts
Chemical nature: Glass Fiber Product

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

Prepared by: productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Carcinogenicity: Category 2

Label elements
Hazard pictograms:

Signal word: Warning
Hazard statements: Suspected of causing cancer.
Precautionary statements:

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

Response:
If exposed or concerned: Get medical advice/attention.

Storage:
Store locked up.

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Glass Fiber Product

Hazardous components
SECTION 4. FIRST AID MEASURES

If inhaled: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of eye contact: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Protection of first-aiders: Do not leave the victim unattended.

SECTION 5. FIREFIGHTING MEASURES

Hazardous combustion products: No hazardous combustion products are known.

Specific extinguishing methods: Standard procedure for chemical fires.

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting 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: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral wool fibres</td>
<td>65997-17-3</td>
<td>TWA</td>
<td>1 fibre/cm³</td>
<td>ACGIH (2010-03-01)</td>
</tr>
<tr>
<td>non-durable glass wool fiber</td>
<td>65997-17-3</td>
<td>TWA</td>
<td>1 fibre/cm³</td>
<td>ACGIH (2010-03-01)</td>
</tr>
</tbody>
</table>


Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : If used and stored as directed, no special protective equipment is necessary.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Written instructions for handling must be available at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : fibres

Colour : brown

Odour : odourless

Odour Threshold : no data available

pH : not applicable

Melting point/freezing point : > 1,150 °C

Boiling point/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
Fire Resistant Mineral Wool Insulation

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 : no data available

Viscosity
Viscosity, dynamic : no data available
Viscosity, kinematic : no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.
Chemical stability : Formaldehyde may be released by partial hydrolysis of the urea formaldehyde polymer, especially in high temperature applications or
Possibility of hazardous reactions : Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid : no data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Product
Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available
Carcinogenicity

**IARC**
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**
No component of this product present at levels greater than or equal to 0.1% is maintained in the OSHA Hazard Communication standard (29 CFR 1910.1200) and sections 1910.1001-1052.

**NTP**
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.

Reproductive toxicity
No data available

**STOT - single exposure**
No data available

**STOT - repeated exposure**
No data available

**Aspiration toxicity**
No data available

Further information

**Product**
No data available

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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

Results of PBT and vPvB assessment
No data available

Other adverse effects

**Product**
No data available
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Packaging that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

SECTION 14. TRANSPORT INFORMATION

SECTION 15. REGULATORY INFORMATION

OSHA Hazards: Carcinogen
EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>formaldehyde</td>
<td>50-00-0</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>formaldehyde</td>
<td>50-00-0</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know
formaldehyde 50-00-0 0 - 0.1 %

Pennsylvania Right To Know
Mineral wool fibres 65997-17-3 50 - 70 %
Fire Resistant Mineral Wool Insulation

Urea, polymer with formaldehyde 9011-05-6 10 - 20 %
non-durable glass wool fiber 65997-17-3 5 - 10 %
formaldehyde 50-00-0 0 - 0.1 %

New Jersey Right To Know
Mineral wool fibres 65997-17-3 50 - 70 %
Urea, polymer with formaldehyde 9011-05-6 10 - 20 %
non-durable glass wool fiber 65997-17-3 5 - 10 %

California Prop 65
WARNING! This product contains a chemical known to the State of California to cause cancer.
Mineral wool fibres 65997-17-3
formaldehyde 50-00-0

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

TSCA On TSCA Inventory
DSL All components of this product are on the Canadian DSL.

SECTION 16. OTHER INFORMATION

Further information

Prepared by productsafety@jm.com

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.