SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: Sproule WR-1200®

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

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
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components
Non-hazardous according to 29 CFR 1910.1200, when used as intended.

Relevant ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>perlite</td>
<td>93763-70-3</td>
<td>&gt;= 90 - &lt;= 100 %</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: Do not leave the victim unattended.

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.
**SECTION 5. FIREFIGHTING MEASURES**

**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.

**Further information**

: 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.

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**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.

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**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.

**Materials to avoid**

: No materials to be especially mentioned.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<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>perlite</td>
<td>93763-70-3</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>NIOSH REL</td>
</tr>
</tbody>
</table>

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Perlite Pipe and Block Insulation

Version 2.0  Revision Date 06/07/2017  Print Date 06/07/2017

<table>
<thead>
<tr>
<th>(Respirable)</th>
<th>TWA (total)</th>
<th>10 mg/m³</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA (Total particulate)</td>
<td>15 mg/m³</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA</td>
</tr>
</tbody>
</table>

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. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.

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 : solid
Colour : blue
Odour : not significant
Odour Threshold : Not applicable
pH : Not applicable
Melting point/freezing point : > 1,800 °F
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
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. No hazards to be specially mentioned.

Conditions to avoid: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

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.

ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

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.
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).

Additional ecological information: 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 cannot be reused after cleaning must be disposed or recycled in accordance with all federal, national and local 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
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, Subpt 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 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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.

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

California Prop 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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
Revision Date : 06/07/2017

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.