SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: GlasPly® IV, GlasPly® Premier

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 1B

GHS Label element
Hazard pictograms: ⚠️

Signal word: Danger
Hazard statements: H350 May cause cancer.
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.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidized Asphalt</td>
<td>Not Assigned</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>limestone</td>
<td>1317-65-3</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>Talc (Mg3H2(SiO3)4)</td>
<td>14807-96-6</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. 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. Immediately flush eye(s) with plenty of water. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: Induce vomiting immediately and call a physician. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed: None known.

SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media: High volume water jet

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and: Use personal protective equipment. Avoid dust formation.
emergency procedures
Avoid breathing dust.

Environmental precautions
Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion
Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling
Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.

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>limestone</td>
<td>1317-65-3</td>
<td>TWA (total dust)</td>
<td>15 mg/m3</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Total dust)</td>
<td>15 mg/m3</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (respirable dust fraction)</td>
<td>5 mg/m3</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (respirable fraction)</td>
<td>5 mg/m3</td>
<td>OSHA</td>
</tr>
<tr>
<td>Talc (Mg3H2(SiO3)4)</td>
<td>14807-96-6</td>
<td>TWA (Dust)</td>
<td>20 Million particles per cubic foot</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable)</td>
<td>2 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>0.1 fibre/cm³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2 mg/m3</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>
(Respirable fraction)  
| TWA (respirable dust fraction) | 2 mg/m³ | OSHA |

**Personal protective equipment**

**Respiratory protection**: In the case of dust or aerosol formation use respirator with an approved filter. Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.

**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. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Written instructions for handling must be available at the work place.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**: MAT

**Colour**: dark brown

**Odour**: No data available

**Odour Threshold**: No data available

**pH**: No data available

**Melting point/range**: 95 °C

**Boiling point/boiling range**: 300 °C

**Flash point**: No data available

**Evaporation rate**: No data available

**Flammability (solid, gas)**: No data available

**Upper explosion limit**: No data available

**Lower explosion limit**: No data available
**Vapour pressure**: No data available

**Relative vapour density**: No data available

**Relative density**: No data available

**Water solubility**: No data available

**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, dynamic**: No data available

**Viscosity, kinematic**: No data available

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**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**: No decomposition if stored and applied as directed.

**Conditions to avoid**: No data available

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Components:**

**limestone**: Acute oral toxicity: LD50 (Rat): > 6,450 mg/kg

**IARC**

Group 2A: Probably carcinogenic to humans

Oxidized Asphalt

**ACGIH**

Confirmed human carcinogen

**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**

Known to be human carcinogen
Talc (Mg3H2(SiO3)4) 14807-96-6

Further information

Product:
Remarks: No data available

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: Warning: Manufactured with $\text{$/}$, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

Additional ecological information
No data available

Components:
Oxidized Asphalt:
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: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging:
- Empty remaining contents.
- Dispose of as unused product.
- Do not re-use empty containers.

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: Oxidized Asphalt
- US. 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

<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>
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<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
The following components are subject to reporting levels established by SARA Title III, Section 302:
- Oxidized Asphalt
- Not Assigned
- 45 %

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
Ozone-Depletion Potential

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
Asphalt Roll Roofing Products

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):
- Oxidized Asphalt: Not Assigned 45%

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):
- Oxidized Asphalt: Not Assigned 45%

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.
- Talc (Mg3H2(SiO3)4) 14807-96-6
- Formaldehyde 50-00-0

The components of this product are reported in the following inventories:
- TSCA: Listed on TSCA
- DSL: This product contains one or several components listed in the Canadian NDSL.

SECTION 16. OTHER INFORMATION

Further information
Revision Date: 09/30/2015

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.