

**Section 1 - Product and Company Identification**

Hazard Label CAUTION

**Company Information**Johns Manville  
Roofing Systems  
P.O. Box 5108  
Denver, CO 80127 USATelephone: 303-978-2000 8:00AM-5:00PM M-F  
Internet Address: <http://www.jm.com>  
Emergency: 800-424-9300 (Chemtrec, In English)**Trade Names:** JM EPDM Pourable Sealer-Part A; JM PVC Pourable Sealer - Part A**Use:** JM EPDM/PVC Pourable Sealer is a two-part polyurethane sealant. It is used as a penetration pocket filler.**Section 2 - Hazards Identification****Emergency Overview**

HMIS Ratings: Health = 1 Fire = 0 Reactivity = 0

**Inhalation**

Not expected under normal conditions of use. However, irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme exposures.

**Skin**

Temporary irritation (itching) or redness may occur.

**Ingestion**

This product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

**Eyes**

Temporary irritation (itching) or redness may occur.

**Primary Routes of Entry (Exposure)**

Inhalation, skin, and eye contact.

**Target Organs**

Nose (nasal passages), throat, lungs, skin, eyes

**Medical Conditions Aggravated by Exposure**

Pre-existing chronic respiratory, skin, or eye diseases or conditions.

**Section 3 - Composition/Information on Ingredients**

CAS #	Component	Percent
1317-65-3	Calcium carbonate	47
9016-87-9	Polymethylene polyphenylene isocyanate	5.5
7631-86-9	Silica, amorphous	2
1344-28-1	Aluminum oxide	1
1333-86-4	Carbon black	0.1
14808-60-7	Crystalline silica	0.1

**General Product Description**

Black, liquid. Slight aromatic odor.

**Section 4 - First Aid Measures****First Aid: Inhalation**

Remove to fresh air. If symptoms persist contact a physician.

**First Aid: Skin**

Remove contaminated clothing. Wash exposed areas with soap and water. If irritation develops or persists, seek medical attention. Launder contaminated clothing before reuse.

**First Aid: Ingestion**

Product is not intended to be ingested or eaten. If this product is ingested, do not induce vomiting and seek medical attention immediately.

**First Aid: Eyes**

Flush eyes with large amounts of water until irritation subsides. If irritation persists, seek medical attention.

**Section 5 - Fire Fighting Measures****Flash Point:** 450°F**Upper Flammable Limit (UFL):** Not determined**Auto Ignition:** Not determined**Rate of Burning:** Not determined**General Fire Hazards**

There is no potential for spontaneous fire or explosion.

**Hazardous Combustion Products**

Carbon monoxide, carbon dioxide, halogenated hydrocarbons, nitrogen oxides, and various hydrocarbons.

**Extinguishing Media**Carbon dioxide (CO<sub>2</sub>), water, water fog, dry chemical.**Fire Fighting Equipment/Instructions**

Use NIOSH-approved self-contained breathing apparatus operating in the pressure demand mode and full fire fighting protective clothing. Avoid inhalation of vapors.

**Method Used:****Lower Flammable Limit (LFL):** Not determined**Flammability Classification:****Section 6 - Accidental Release Measures****Containment Procedures**

Remove all sources of ignition. Evacuate and ventilate spill area. Dam spill area with sand, earth, or other suitable absorbent. Prevent entry of material into sewers, other water sources, or land areas. Wear full protective clothing and respiratory protection during clean-up as required to maintain exposures below the applicable exposure limit. Shovel absorbed material into containers in well-ventilated area.

**Clean-Up Procedures**

Place in closable container for disposal.

**Section 7 - Handling and Storage****Handling Procedures**

Use protective equipment as described in Section 8 of this safety data sheet when handling uncontained material. Handle in accordance with good industrial hygiene and safety practices.

**Storage Procedures**

Warehouse storage should be in accordance with package directions, if any. Product should be kept in a cool and dry area in original packaging. Do not freeze.

**Section 8 - Exposure Controls / Personal Protection****Exposure Guidelines****A: General Product Information**

Protective equipment should be provided as necessary to prevent inhalation of vapors, prolonged skin contact, and to keep exposure levels below the applicable exposure limits.

**B: Component Exposure Limits****Calcium carbonate (1317-65-3)**OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)**Silica, amorphous (7631-86-9)**OSHA: 20 mppcf TWA; ((80))/(% SiO<sub>2</sub>) mg/m<sup>3</sup> TWA)**Aluminum oxide (1344-28-1)**OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)**Carbon black (1333-86-4)**OSHA: 3.5 mg/m<sup>3</sup> TWA3.5 mg/m<sup>3</sup> TWAACGIH: 3.5 mg/m<sup>3</sup> TWA

**Crystalline silica (14808-60-7)**

OSHA: 0.1 mg/m<sup>3</sup> TWA (respirable dust)  
 ((250)/(100SiO<sub>2</sub> + 5) mppcf TWA (respirable)); ((10)/(100SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA (respirable));  
 ((30)/(100SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA (total dust))  
 ACGIH: 0.025 mg/m<sup>3</sup> TWA (respirable fraction)

**PERSONAL PROTECTIVE EQUIPMENT****Personal Protective Equipment: Eyes/Face**

Safety glasses with side shields or chemical goggles are recommended.

**Personal Protective Equipment: Skin**

Impervious gloves such as nitrile rubber should be used to help prevent excessive skin contact.

**Personal Protective Equipment: Respiratory**

A NIOSH approved respirator must be used if vapor concentrations exceed exposure limits.

**Ventilation**

Local exhaust or general dilution ventilation may be required to maintain exposures below the applicable exposure limits. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

**Personal Protective Equipment: General**

Protective equipment should be provided as necessary to prevent irritation of the throat, eyes, and skin, and to keep exposures below the applicable exposure limits identified in Section 8.

<b>Section 9 - Physical &amp; Chemical Properties</b>
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<b>Appearance:</b> Black <b>Physical State:</b> Liquid <b>Vapor Pressure:</b> <0.001 @ 20°C <b>Boiling Point:</b> >260°C/500°F <b>Solubility (H<sub>2</sub>O):</b> Negligible <b>Freezing Point:</b> Not determined <b>Percent Volatile:</b> 0.1	<b>Odor:</b> Slight aromatic odor <b>pH:</b> Not applicable <b>Vapor Density:</b> Not available <b>Melting Point:</b> Not determined <b>Specific Gravity:</b> 1.51 <b>Evaporation Rate:</b> Not applicable <b>VOC:</b> 0 g/L
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<b>Section 10 - Stability &amp; Reactivity Information</b>
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**Stability**

These products are not reactive.

**Incompatibility**

Strong acids, alkalis, and oxidizing agents

**Hazardous Decomposition**

May form carbon dioxide, carbon monoxide, halogenated hydrocarbons, nitrogen oxides, various hydrocarbons.

**Hazardous Polymerization**

Will not occur.

<b>Section 11 - Toxicological Information</b>
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**Acute Toxicity****A: General Product Information**

Vapors from this product may cause eye, respiratory and skin irritation,

**B: Component Analysis - LD50/LC50****Polymethylene polyphenylene isocyanate (9016-87-9)**

Inhalation LC50 Rat: 490 mg/m<sup>3</sup>/4H; Oral LD50 Rat: 49 g/kg; Dermal LD50 Rabbit: >9400 mg/kg

**Silica, amorphous (7631-86-9)**

Oral LD50 Rat: >5000 mg/kg; Inhalation LC50 Rat: >2.2 mg/L/1H; Dermal LD50 Rabbit: >2000 mg/kg

**Aluminum oxide (1344-28-1)**

Oral LD50 Rat: >5000 mg/kg

**Carbon black (1333-86-4)**

Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit:>3 g/kg

**Crystalline silica (14808-60-7)**

Oral LD50 Rat: 500 mg/kg

**Component Carcinogenicity**

**Polymethylene polyphenylene isocyanate (9016-87-9)**

IARC: Group 3 - Not Classifiable (IARC Supplement 7 [1987], Monograph 19 [1979])

**Silica, amorphous (7631-86-9)**

IARC: Group 3 - Not Classifiable (IARC Monograph 68 [1997], Supplement 7 [1987])

**Carbon black (1333-86-4)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Group 2B - Possibly Carcinogenic to Humans (IARC Monograph 93 [in preparation], Monograph 65 [1996])

**Crystalline silica (14808-60-7)**

ACGIH: A2 - Suspected Human Carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Group 1 - Known Human Carcinogen (IARC Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources))

**Section 12 - Ecological Information**

**Ecotoxicity**

**A: General Product Information**

No data available for this product.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

**Silica, amorphous (7631-86-9)**

96 Hr LC50 Brachydanio rerio: 5000 mg/L [static]

72 Hr EC50 Selenastrum capricornutum: 440 mg/L

48 Hr EC50 Ceriodaphnia dubia: 7600 mg/L

**Carbon black (1333-86-4)**

24 Hr EC50 Daphnia magna: >5600 mg/L

**Section 13 - Disposal Considerations**

**US EPA Waste Number & Descriptions**

**A: General Product Information**

This product is not expected to be a hazardous waste when it is disposed of according to the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Product characterization after use is recommended to ensure proper disposal under federal and/or state requirements.

**B: Component Waste Numbers**

No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

**Section 14 - Transport Information**

**Shipping Name:** This product is not regulated for transport.

**International Transport Regulations**

These products are not classified as dangerous goods according to international transport regulations.

<b>Section 15 - Regulatory Information</b>
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**US Federal Regulations****A: General Product Information**

SARA 311/312: This product is not classified as hazardous under SARA 311/312.

**B: Component Analysis**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

**Polymethylene polyphenylene isocyanate (9016-87-9)**

SARA 313: 1.0 % de minimis concentration (listed under Chemical Category N120, Diisocyanates)

**Aluminum oxide (1344-28-1)**

SARA 313: 1.0 % de minimis concentration (fibrous forms)

**State Regulations****A: General Product Information**

Other state regulations may apply. Check individual state requirements.

**B: Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Calcium carbonate	1317-65-3	No	No	Yes	Yes	Yes	Yes
Polymethylene polyphenylene isocyanate	9016-87-9	No	No	No	No	Yes	No
Silica, amorphous	7631-86-9	Yes	No	Yes	Yes	No	Yes
Aluminum oxide	1344-28-1	Yes	No	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	No	Yes	Yes	Yes	Yes
Crystalline silica	14808-60-7	No	No	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
WARNING! This product contains a chemical known to the state of California to cause cancer.

Component	CAS #
Carbon black	1333-86-4
Crystalline silica	14808-60-7

**A: TSCA Status**

This product and its components are listed on the TSCA 8(b) inventory.

None of the components listed in this product are listed on the TSCA Export Notification 12(b) list.

**B: Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS
Calcium carbonate	1317-65-3	Yes	No	Yes
Polymethylene polyphenylene isocyanate	9016-87-9	Yes	Yes	No
Silica, amorphous	7631-86-9	Yes	Yes	Yes
Aluminum oxide	1344-28-1	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	Yes	Yes
Crystalline silica	14808-60-7	Yes	Yes	Yes

**Component Analysis - WHMIS IDL**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Silica, amorphous	7631-86-9	1 %
Aluminum oxide	1344-28-1	1 %

**WHMIS Classification**

This is not a WHMIS controlled product. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations. This SDS contains all the information required by the Controlled Products Regulations.

**Section 16 - Other Information****Other Information**

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Denver, CO USA 80217-5108

Prepared by:  
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The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

<b>Date</b>	<b>MSDS #</b>	<b>Reason</b>
08/01/00	3129-1.0000	New MSDS authoring system.
12/11/00	3129-1.0100	Minor editing and regulatory update.
08/05/03	3129-1.0101	Sect. 1: Update product names "UltraGard EPDM Pourable Sealer Part A; UltraGard PVC Pourable Sealer Part B. Delete obsolete trade name SPM. Sect. 2 Update composition for PVC Sealer. Health and safety statements updated to relate to composition.
03/31/05	3129-1.0102	Moved PVC Pourable Sealer-Part A to new MSDS ID 3225 as TPO Pourable Sealer-Part A. Updated composition and remaining sections for supplier and regulatory updates.
12/02/05	3129-1.0103	Re-added JM PVC Pourable Sealer - Part A. Regulatory update. Minor edits to Section 11 LD50 and Section 15 WHMIS.
08/18/08	3129-1.0104	Updated SDS to GHS format. Updated composition.

End of Sheet 3129