

**Section 1 - Product and Company Identification**

Hazard Label CAUTION label

**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 Single Ply Sealing Mastic

**Section 2 - Hazards Identification****Emergency Overview**

HMIS Rating = Health 1, Fire 2, Reactivity 0

**Inhalation**

Thermal processing or heating of this product may produce vapors or fumes that may cause irritation.

**Skin**

Drying of skin, dermatitis, and blistering may occur following prolonged exposures.

**Ingestion**

This product is not intended to be ingested or eaten under normal conditions of use. If ingested, seek medical attention.

**Eyes**

Irritation, redness, and burning in eyes may occur.

**Primary Routes of Entry (Exposure)**

Inhalation, skin, and eye contact.

**Target Organs**

Skin, eye, lungs, central nervous system (CNS), respiratory system, kidney, liver.

**Medical Conditions Aggravated by Exposure**

Pre-existing eye, skin, respiratory, central nervous system (CNS), liver and kidney diseases or conditions.

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

CAS #	Component	Percent
Proprietary	Butyl Polymer Masterbatch	78-82
Mixture	Petroleum Oils	3-5
9003-07-0	Polypropylene Fiber	1.5-5
8052-41-3	Stoddard solvent (mineral spirits)	1.5-5
471-34-1	Calcium carbonate	1.5-5
9003-29-6	Polybutene homopolymer	1.5-4.5
1332-58-7	Kaolin	<2

**General Product Description**

Grey paste; solvent 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.

**First Aid: Notes to Physician**

Treatment for inhalation, skin contact, or ingestion should be symptomatic. Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias.

**Section 5 - Fire Fighting Measures****Flash Point:** 104°F/40°C**Upper Flammable Limit (UFL):** Not determined**Auto Ignition:** Not determined**Rate of Burning:** Not determined**General Fire Hazards**

CAUTION: Combustible liquid and vapor.

Keep away from heat, sparks, and flame. Material is highly volatile and readily gives off vapors which are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Keep container closed. Use with adequate ventilation.

NFPA Rating: Health = 1 Fire = 2 Reactivity = 0

**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.

**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. Product is combustible. Store properly to protect from fire.

**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****Stoddard solvent (mineral spirits) (8052-41-3)**

ACGIH: 100 ppm TWA

OSHA: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA**Kaolin (1332-58-7)**ACGIH: 2 mg/m<sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)OSHA: 10 mg/m<sup>3</sup> TWA (total dust); 5 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.

**Section 9 - Physical & Chemical Properties**

<b>Appearance:</b>	Gray paste	<b>Odor:</b>	Solvent odor
<b>Physical State:</b>	paste	<b>pH:</b>	Not applicable
<b>Vapor Pressure:</b>	45 mm Hg @ 78°F	<b>Vapor Density:</b>	5.0
<b>Boiling Point:</b>	657.5°F/347.5°C	<b>Melting Point:</b>	Not determined
<b>Solubility (H<sub>2</sub>O):</b>	soluble	<b>Specific Gravity:</b>	1.2-1.3 @ 77°F
<b>Evaporation Rate:</b>	9.2	<b>Bulk Density:</b>	10.42 lbs/gallon (liquid density)
<b>VOC:</b>	108 g/L EPA Method 24		

**Section 10 - Stability & Reactivity Information****Stability**

This is a stable material.

**Hazardous Decomposition**

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

**Hazardous Polymerization**

Will not occur.

**Section 11 - Toxicological Information****Acute Toxicity****A: General Product Information**

Vapors from this product may cause eye and upper respiratory irritation, dry throat and mouth, nausea, headache, dizziness, drowsiness, and coma in extreme cases. Prolonged exposures may lead to liver and kidney injury.

**B: Component Analysis - LD50/LC50****Calcium carbonate (471-34-1)**

Oral LD50 Rat: 6450 mg/kg

**Component Carcinogenicity****Polypropylene Fiber (9003-07-0)**

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

**Kaolin (1332-58-7)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

**Section 12 - Ecological Information****Ecotoxicity****A: General Product Information**

No data available for this product.

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

No ecotoxicity data are available for this product's components.

**Section 13 - Disposal Considerations****US EPA Waste Number & Descriptions****A: General Product Information**

This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the EPA.

**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****International Transport Regulations**

**DOT:** Consumer Commodity

**IATA:** UN 1133, Adhesives, 3, PG III. LTD QTY  
Flammable Liquid Label Required

**IMDG:** UN 1133, Adhesives, 3, PG III. LTD QTY  
Flammable Liquid Label Required

**Section 15 - Regulatory Information****US Federal Regulations****A: General Product Information**

SARA 311 Status. The following SARA 311 designations apply to this product: Immediate (acute) health hazard. Delayed (chronic) health hazard. Fire hazard.

**B: Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**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
Stoddard solvent (mineral spirits)	8052-41-3	Yes	No	Yes	Yes	Yes	Yes
Kaolin	1332-58-7	No	No	Yes	Yes	No	Yes

**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
Polypropylene Fiber	9003-07-0	Yes	Yes	No
Calcium carbonate	471-34-1	Yes	Yes	Yes
Stoddard solvent (mineral spirits)	8052-41-3	Yes	Yes	Yes
Polybutene homopolymer	9003-29-6	Yes	Yes	No
Kaolin	1332-58-7	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
Stoddard solvent (mineral spirits)	8052-41-3	1 %

**WHMIS Classification**

Controlled Product Classification: B3, D2B

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**

Prepared for:  
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Roofing Systems Group  
P. O. Box 5108  
Denver, CO USA 80217-5108

Prepared by:  
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P.O. Box 625005  
Littleton, CO USA 80162-5005

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>
08/02/07	3146-1.0000	Moved EPDM product from MSDS 3103B. Updated composition.
11/19/07	3146-1.0001	Addition of TPO-1 Sealing Mastic to trade names.
10/30/09	3146-1.0002	Updated transportation classification.
11/19/09	3146-1.0003	Material name and trade names updated to JM Single Ply Sealing Mastic. Updated SDS to GHS format.
		Updated VOC content

End of Sheet 3146