

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : JM Single Ply Sealing Mastic

Manufacturer or supplier's details

Company : Johns Manville
Address : P.O. Box 5108
Denver, CO USA 80127
Telephone : +1-303-978-2000
Emergency telephone : 24-Hour Number: +1-800-424-9300 (CHEMTREC)
number

Company : Johns Manville Canada Inc.
Address : 5301 42 Avenue
Innisfail, AB Canada T4G 1A2
Telephone : +1-303-978-2000
Emergency telephone : 24-Hour Number: +1-800-424-9300 (CHEMTREC)
number

Recommended use of the chemical and restrictions on use

Recommended use : Sealant
Restrictions on use : For professional users only.
Prepared by : productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Skin irritation : Category 2

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

to do. Continue rinsing.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
calcium carbonate	471-34-1	>= 15 - <= 40
Silicic acid, aluminum salt	1335-30-4	>= 10 - <= 30
Stoddard solvent	8052-41-3	>= 5 - <= 10
magnesium carbonate	546-93-0	>= 5 - <= 10
silicon dioxide	112926-00-8	>= 0.1 - <= 1
titanium dioxide	13463-67-7	>= 0.1 - <= 1
quartz (SiO ₂)	14808-60-7	>= 0.1 - <= 1
carbon black	1333-86-4	>= 0.1 - <= 1

Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Handle in accordance with good industrial hygiene and safety practice.
 Show this safety data sheet to the doctor in attendance.
 Move out of dangerous area.
 Do not leave the victim unattended.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
 Call a physician if irritation develops or persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 If easy to do, remove contact lens, if worn.
 Protect unharmed eye.
 If eye irritation persists, consult a specialist.
- If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center.
 Gently wipe or rinse the inside of the mouth with water.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician or Poison Control Centre immediately.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.
 Causes serious eye damage.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray
Foam
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : carbon oxides
nitrogen oxides
aluminum oxides
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Use personal protective equipment.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Should not be released into the environment.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool place.
- Materials to avoid : Keep away from oxidizing agents and strongly acid or alkaline materials.
- Recommended storage temperature : 4.4 - 32 °C
- Storage period : 12 Months
- Further information on storage stability : Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Stoddard solvent	8052-41-3	TWA	100 ppm	ACGIH
		TWA	350 mg/m ³	NIOSH REL
		C	1,800 mg/m ³	NIOSH REL
		TWA	500 ppm 2,900 mg/m ³	OSHA
magnesium carbonate	546-93-0	TWA (respirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (total dust)	15 mg/m ³	OSHA
		TWA (respirable fraction)	5 mg/m ³	OSHA
silicon dioxide	112926-00-8	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA
		TWA	6 mg/m ³ (Silica)	NIOSH REL
titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m ³	OSHA
		TWA	10 mg/m ³ (Titanium dioxide)	ACGIH
quartz (SiO ₂)	14808-60-7	TWA (Respirable fraction)	0.025 mg/m ³	ACGIH
		TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA
		TWA (Respirable dust)	0.05 mg/m ³	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³	OSHA
carbon black	1333-86-4	TWA	3.5 mg/m ³	ACGIH
		TWA	3.5 mg/m ³	NIOSH REL
		TWA	3.5 mg/m ³	OSHA
		TWA	0.1 mg/m ³ (PAHs)	NIOSH REL
		TWA (inhalable fraction)	3 mg/m ³	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
Where concentrations are above recommended limits or are

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

	unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection Material	: Protective gloves
Remarks	: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye protection	: Wear safety glasses with side shields or goggles. Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Wear protective clothing, such as long-sleeved shirts and pants. Remove and wash contaminated clothing before re-use.
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	: paste
Colour	: grey
Odour	: hydrocarbon-like
Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: 6.0 %(V)
Lower explosion limit	: 1.1 %(V)
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: 1.4 g/cm ³ (20 °C)

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 230 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 20.5 mm ² /s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: carbon oxides aluminum oxides nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity	: Acute toxicity estimate : 3,571 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : 5,000 mg/kg Method: Calculation method

Acute toxicity**Components:****calcium carbonate:**

Acute oral toxicity	: LD50 (Rat, female): > 2,000 mg/kg Method: OECD Test Guideline 420 GLP: yes
Acute inhalation toxicity	: LC50 (Rat, male and female): > 3 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
 Method: OECD Test Guideline 402
 GLP: yes

Acute toxicity
Silicic acid, aluminum salt:

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
 Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.07 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: EPA OPP 81-3
 Assessment: The substance or mixture has no acute inhalation toxicity
 Remarks: Information given is based on data obtained from similar substances.
 No mortality was observed.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
 Method: OECD Test Guideline 402
 Remarks: Information given is based on data obtained from similar substances.

Acute toxicity
Stoddard solvent:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
 Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.5 mg/l
 Exposure time: 4 h
 Test atmosphere: vapour
 Method: OECD Test Guideline 403
 Assessment: The substance or mixture has no acute inhalation toxicity
 Remarks: No mortality was observed.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,000 mg/kg
 Method: OECD Test Guideline 402

Acute toxicity
magnesium carbonate:

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
 Method: OECD Test Guideline 420

Acute toxicity
silicon dioxide:

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity**titanium dioxide:**

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.09 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : Method: Expert judgement
Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity**quartz (SiO₂):**

Acute oral toxicity : LD50 (Rat): > 22,500 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity**carbon black:**

Acute oral toxicity : LD50 (Rat, male and female): > 10,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.0 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Method: Expert judgement
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation**Components:****Stoddard solvent:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation

Serious eye damage/eye irritation**Product:**

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

Result: irritating

Serious eye damage/eye irritation

Components:

Silicic acid, aluminum salt:

Species: chicken

Result: Irreversible effects on the eye

IARC	Group 1: Carcinogenic to humans	
	quartz (SiO ₂)	14808-60-7
	Group 2B: Possibly carcinogenic to humans	
	titanium dioxide	13463-67-7
	carbon black	1333-86-4

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 (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

NTP Known to be human carcinogen

	quartz (SiO ₂)	14808-60-7
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STOT - repeated exposure

Components:

Stoddard solvent:

Exposure routes: inhalation (vapour)

Target Organs: Central nervous system

Assessment: No significant health effects observed in animals at concentrations of 250 ppmV/6h/d or less.

Aspiration toxicity

Components:

Stoddard solvent:

May be fatal if swallowed and enters airways.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Stoddard solvent:

Toxicity to algae	:	NOEC (Pseudokirchneriella subcapitata (algae)): 0.16 mg/l
		Test Type: static test
		Method: OECD Test Guideline 201

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

Toxicity to fish (Chronic toxicity) : NOEC: 0.142 mg/l
Exposure time: 30 d
Remarks: The value is calculated

quartz (SiO₂):

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 10,000 mg/l
Exposure time: 72 h

Persistence and degradability**Components:****Stoddard solvent:**

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential**Components:****Stoddard solvent:**

Partition coefficient: n-octanol/water : log Pow: 3.5 - 6.4 (20 °C)
Method: OECD Test Guideline 117

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).

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of contents/container to an approved facility in
accordance with local, regional, national and international
regulations.
Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International transport regulations**

Land transport

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

USDOT: Not classified as a dangerous good under transport regulations

TDG: Not classified as a dangerous good under transport regulations

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

SECTION 15. REGULATORY INFORMATION**TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : No substances are subject to TSCA 12(b) export notification requirements.

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 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.**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 SOCM Intermediate or Final VOC's (40 CFR 60.489).

California Prop. 65

This product does not require a warning under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

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

TSCA : All substances listed as active on the TSCA inventory

JM Single Ply Sealing Mastic

Version 2.0

Revision Date 02/23/2021

Print Date 02/23/2021

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION**Further information**

Revision Date : 02/23/2021

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.