

JM SP Liquid Flashing Concrete Primer – Component A

Version 1.1

Revision Date 04/15/2020

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : JM SP Liquid Flashing Concrete Primer – Component A

Manufacturer or supplier's details

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

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional and industrial installation and use 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
Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.

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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 to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	>= 60 - <= 80
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	>= 30 - <= 60
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	>= 10 - <= 30

Actual concentration or concentration range is withheld as a trade secret

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	: 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

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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.
May cause an allergic skin reaction.
Causes serious eye irritation.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water mist
Carbon dioxide (CO₂)
Dry chemical
Foam

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : carbon oxides
Formaldehyde
chlorine compounds

Specific extinguishing methods : Use a water spray to cool fully closed containers.

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 : Use personal protective equipment.
Ensure adequate ventilation.
Immediately evacuate personnel to safe areas.

Environmental precautions : Prevent further leakage or spillage if safe to do so.
The product should not be allowed to enter drains, water courses or the soil.

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

Local/Total ventilation : Do not use in areas without adequate ventilation.

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- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Avoid formation of aerosol.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
For personal protection see section 8.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
- Materials to avoid : Keep away from food and drink.
- Recommended storage temperature : 10 - 27 °C
- Storage period : 12 Months
- Further information on storage stability : Protect from frost, heat and sunlight.

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

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : If used and stored as directed, no special protective equipment is necessary.
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are 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 : butyl-rubber

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Material	: Nitrile rubber
Material	: Viton (R)
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 a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	: Wear protective clothing, such as long-sleeved shirts and pants. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Remove and wash contaminated clothing before re-use.
Hygiene measures	: Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Written instructions for handling must be available at the work place. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: blue, transparent
Odour	: aromatic
Odour Threshold	: No data available
pH	: 7, (20 °C)
Melting point/freezing point	: not determined
Initial boiling point and boiling range	: > 200 °C
Flash point	: 149 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable

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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
Density	: 1.13 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 300 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 900 mPa.s (20 °C)
Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Protect from frost, heat and sunlight.
Incompatible materials	: Amines
Hazardous decomposition products	: carbon oxides Formaldehyde chlorine compounds

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

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Product:

Acute oral toxicity : Acute toxicity estimate : > 2,000 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg
Method: Expert judgement

Acute toxicity**Components:****4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:**

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

Acute toxicity**Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:**

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

Acute dermal toxicity : LD50 (Rat): > 400 mg/kg

Acute toxicity**Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:**

Acute oral toxicity : LD50 (Rat, male): ca. 26,789 mg/kg

Acute inhalation toxicity : LC0 (Rat): 0.15 mg/l
Exposure time: 7 h

Acute dermal toxicity : LD0 (Rabbit, male): >= 4,005 mg/kg
LD50 (Rabbit, male): > 5,000 mg/kg

Skin corrosion/irritation**Components:****4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:**

Result: irritating

Skin corrosion/irritation**Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:**

Result: irritating

Skin corrosion/irritation**Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:**

Species: Rabbit
Result: irritating

Serious eye damage/eye irritation**Components:**

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4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:

Result: irritating

Serious eye damage/eye irritation**Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:**

Result: irritating

Respiratory sensitisation: Not classified based on available information.

Respiratory or skin sensitisation**Components:****4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:**

Assessment: May cause sensitisation by skin contact.

Respiratory or skin sensitisation**Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:**

Result: May cause sensitisation by skin contact.

Respiratory or skin sensitisation**Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:**

Test Type: Maximisation Test

Species: Guinea pig

Assessment: May cause sensitisation by skin contact.

Method: OECD Test Guideline 406

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.

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

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.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): ca. 2 mg/l

aquatic invertebrates

End point: Immobilization

Exposure time: 48 h

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Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): ca. 9 mg/l
Exposure time: 48 h
Test Type: static test

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l
Exposure time: 96 h

Persistence and degradability**Components:****4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:**

Biodegradability : aerobic
Inoculum: activated sludge, non-adapted
Biodegradation: 5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential**Components:****Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.:**

Partition coefficient: n-octanol/water : log Pow: 3.77 (20 °C)
Method: OECD Test Guideline 107

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 : Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

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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**

USDOT: UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-chloromethyl)oxirane and phenol), 9, III

TDG: UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-chloromethyl)oxirane and phenol), 9, III

LIMITED QUANTITY if shipped in inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in a strong outer packaging.

Sea transport

IMDG: UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-chloromethyl)oxirane and phenol), 9, III, Marine Pollutant

Air transport

IATA/ICAO: UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-chloromethyl)oxirane and phenol), 9, III

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.

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- SARA 311/312 Hazards** : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation
- 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:

- DSL : On the inventory, or in compliance with the inventory
- TSCA : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION**Further information**

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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.