



Section 1. Identification

GHS product Identifier : VM 60 Liquid Membrane Part A
Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against

Used as a two part urethane waterproofing system.

Supplier's details American Hydrotech, Inc.
303 East Ohio Street
Chicago, Illinois 60611
Tel (800) 877-6125 (M-F 8 AM- 5 PM CST)
Emergency telephone number) PERS #11540: 800-633-8253 (24/7)
with hours of operation)

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product .

Classification of the substance or mixture : Not classified

GHS label elements

Signal word : No signal words
Hazard statement : No signal words

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear eye and face protection. Keep away from heat, sparks, open flames and hot surfaces. – No smoking. Keep container tightly closed. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Do not breathe vapor. Wash hands thoroughly after handling.

Response : Collect spillage; Get medical attention if you feel unwell. If exposure or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If SWALLOWED: Immediately call a POISON CENTER or physician. DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention.

Storage Store locked up. Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known

Section 3. Composition/information on ingredients

| | |
|-------------------------------------|------------------|
| Substance/Mixture | : Mixture |
| Other means of identification | : Not available |
| <u>CAS number/other identifiers</u> | |
| CAS number | : Not applicable |
| Product code | : Not applicable |

Occupational exposure limits, if available , are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures.

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| Eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention. |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 20 minutes. Get medical attention if symptoms occur. |
| Ingestion | : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personal. Get medical attention if symptoms occur. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

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|--------------|--|
| Eye contact | : No known or significant effects or critical hazards. |
| Inhalation | : No known or significant effects or critical hazards. |
| Skin contact | : No known or significant effects or critical hazards. |
| Ingestion | : No known or significant effects or critical hazards. |

Over-exposure signs/symptoms

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|--------------|---|
| Eye contact | : Adverse symptoms may include the following: Pain or irritation, Watering, Redness. |
| Inhalation | : No known or significant effects or critical hazards. |
| Skin contact | : Adverse symptoms may include the following: Irritation Redness |
| Ingestion | : No known or significant effects or critical hazards. |

Indication of immediate medical attention and special treatment needed, if necessary.

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| Notes to physician: | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment |
| Protection of first-aiders: | : No action shall be taken involving any personal risk or without suitable training. |

Section 5. Fire-fighting measures

Extinguishing media

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| Suitable extinguishing media | : Use an extinguisher agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known |
| Specific hazards arising from the chemical | : No specific fire or explosion hazard. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide |

Section 5. Fire-fighting measures

Special protective equipment : No special protection is required.

Special protective actions for fire fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

For non emergency personal : Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."

Environmental precautions : Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and materials for containment and cleaning up

Spill : Stop leak if without risk. Move container from spill area. Use spark proof tools and explosion proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits : None

Appropriate engineering controls : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene measure: : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the work station location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts.

Skin Protection

Hand protection : Chemical- resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid
Color : Black
Odor : Asphalt
Odor threshold : Not available
pH : Not applicable
Melting point : Not applicable
Boiling point : Not available
Flash Point : Open cup: 274 °C (525.5 °F)
Burning time : Not applicable
Burning rate : Not applicable
Evaporation rate: : Not applicable
Flammability(solid, gas) : Not available
Lower & upper explosive (flammable) limits : Not available
Vapor density : Not available
Vapor pressure : Not available
Relative density : 1.29
Solubility : Partially soluble in the following materials: cold and hot water.

Section 9. Physical and chemical properties

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|--|----------------------------|
| Partition coefficient: n-octanol/water | : Not available |
| Auto- ignition temperature | : 485 °C (905 °F) |
| Decomposition temperature | : Not available |
| SADT | : Not available |
| Viscosity | : 6,000-8,000 cps @ 250 °F |
| VOC | : 0 g/l |

Section 10. Stability and reactivity

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| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability | : This product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Conditions to avoid: | : No specific data. |
| Incompatible materials | : Reactive or incompatible with the following materials: Oxidizing materials and acids. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

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|--------------------|------------------------------|
| <u>Skin</u> | : There is no data available |
| <u>Eyes</u> | : There is no data available |
| <u>Respiratory</u> | : There is no data available |

Sensitization

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|--------------------|------------------------------|
| <u>Skin</u> | : There is no data available |
| <u>Respiratory</u> | : There is no data available |

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| <u>Mutagenicity</u> | : There is no data available |
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|------------------------|------------------------------|
| <u>Carcinogenicity</u> | : There is no data available |
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|------------------------------|------------------------------|
| <u>Reproductive toxicity</u> | : There is no data available |
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|-----------------------|------------------------------|
| <u>Teratogenicity</u> | : There is no data available |
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Specific target organ toxicity (single exposure)

There is no data available

Specific target organ toxicity (repeated exposure)

There is no data available

Section 11. Toxicological information

Aspiration hazard

There is no data available

Information on the likely routes of exposure : Routes of entry anticipated: Oral, dermal, inhalation.

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
Pain or irritation,
Watering,
Redness.

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following:
Irritation
Redness

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates : There is no data available

Section 12. Ecological information

Toxicity

There is no data available

Persistence and degradability : There is no data available.

Bio accumulative potential : There is no data available.

Mobility in soil

Soil/water partition coefficient : There is no data available.

(K_{oc})

Other adverse effects : No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recycled products via a licensed waste disposal contractor. Waste should not be disposed of to a sewer. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

Section 14. Transportation information

| | DOT Classification | IMDG | IATA |
|--|---------------------------|---------------|---------------|
| UN Number | Not regulated | Not regulated | Not regulated |
| UN Proper Shipping Name | | | |
| Transportation hazard class(es) | | | |
| Packing Group | | | |
| Environmental Hazard | No | No | No |
| Additional Information | | | |

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available

Section 15. Regulatory information

U.S. Federal regulations: **TSCA 8(a) Pair:** Siloxanes and silicones, di-Me, reaction products with silica; 1-Cyclohexane, 4- vinyl-.
TSCA 8(a) CDR Exempt/Partial exemption: Not determined.
United States inventory (TSCA 8 b): all components are listed or exempted

Section 15. Regulatory information

Clean Air Act Section 112 (b) Hazardous air pollutants (HAPs) : Not listed

Clean Air Act (CAA) Section 602 Class I Substances : Not listed

Clean Air Act (CAA) Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients : No products found

SARA 304 RQ : Not applicable

SARA 311/312

Classification : Not applicable

Composition/information on ingredients

No products were found

SARA 313 : Not applicable

State regulations

Massachusetts : The following components are listed: Limestone, Petroleum asphalt

New Jersey : The following components are listed: Limestone, Petroleum asphalt

New York : None of the components are listed: None of the components are listed.

Pennsylvania : The following components are listed: Limestone, Petroleum asphalt, Oxydipropanol.

California Prop.65 : **Warning:** This product contains less than 0.1% of a chemical known to the state of California to cause cancer. This product contains less than 1% of a chemical known to the state of California to cause birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level. |
|------------------------|---------------|---------------------|----------------------------------|---|
| 1, 3- Butadiene | Yes | Yes | Yes | No |
| 1-Cyclohexene,4-vinyl- | Yes | Yes | No | No |

International regulations

International lists

: Australia inventory (AICS): All components are listed or exempted.

: China inventory (IECSC): All components are listed or exempted.

: Japan inventory : Not determined

: Korea inventory: All components are listed or exempted.

: Malaysia inventory (EHS Register): Not determined

: New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

: Philippines inventory (PICCS): All components are listed or exempted.

: Taiwan inventory (CSNN): Not determined

Chemical Weapons Convention List schedule I Chemicals : Not listed

Chemical Weapons Convention List schedule II Chemicals : Not listed

Chemical Weapons Convention List schedule III Chemicals : Not listed

