

Safety Data Sheet

1. Product and Company Identification

Product Name: AVM Cements:

AVM TX 100 White
AVM 400 Gray SC

AVN TX 100 Gray
AVM 400 Gray

AVM 200 SC Gray

AVM 200 Gray

Product Use: Cement

Uses Advised Against: None known.

Manufacturer: AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133
www.avmindustries.com

Information Phone Number: (818) 888-0050

Emergency Phone Number: Chemtrec 800-424-9300

SDS Date of Preparation: May 10, 2023

2. Hazards Identification

GHS Classification:

Physical:	Health:
Not Hazardous	Skin Irritation category 2 Skin Sensitizer Category 1 Eye Damage Category 1 Specific Target Organ Toxicity Repeat Exposure Category 1 Specific Target Organ Toxicity Single Exposure Category 3 Carcinogen Category 1A

GHS Label Elements:

Danger!



H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H372 Causes damage to lungs through prolonged or repeated inhalation.

H335 May cause respiratory irritation.

H350 May cause cancer by inhalation.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves, protective clothing, and eye protection.

P281 In case of inadequate ventilation wear respiratory protection.

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P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor.
P308 + P313 IF exposed or concerned: Get medical attention.
P403 Store in a well-ventilated place.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local and national regulations.

Hazards not otherwise specified: None.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Crystalline Silica	14808-60-7	30-70%
Cement, Portland	65997-15-1	15-50%
Aluminum Oxide	1344-28-1	5-15%
Limestone	1317-65-3	0-10%
Gypsum	13397-24-5	1-5%
Calcium Oxide	1305-78-8	<2%
Iron Oxide	1309-37-1	<2%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and wash immediately with plenty of soap and water. Get medical attention if irritation, rash, or other symptoms develop. Launder contaminated clothing before reuse.

Eye Contact: Immediately flush eyes thoroughly with large quantities of water for 20 minutes, while holding the eye lids open to be sure the material is washed out. Remove contact lenses if present and easy to do and continue rinsing. Get immediate medical attention.

Ingestion: Wash mouth with water. Do not induce vomiting. Seek immediate medical attention.

Most Important Symptoms: Causes severe eye damage and burns. Causes skin irritation. Wet cement is corrosive and may cause burns to eyes and skin. Ingestion is not an expected route of exposure. However, severe irritation or burns to gastrointestinal tract may occur if swallowed. Inhalation of dust causes irritation to mucous membranes and respiratory tract. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and may cause lung cancer.

Indication of Immediate Medical Attention/Special Treatment: If eye contact or ingestion occurs, get immediate medical attention.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire.

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Specific Hazards Arising from the Chemical: Product is not flammable, combustible, or explosive.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing and respiratory protection (see Section 8). Avoid generating airborne dust during clean-up.

Methods and Materials for Containment and Clean-Up: Carefully collect dry material. Avoid creating airborne dust. Avoid dry sweeping. Do not use compressed air to clean spilled material. Scrape up wet product. Place into an appropriate container for re-use or disposal. Allow wet material to dry before disposal. Use water spraying/flushing or ventilated/HEPA filtered vacuum cleaning system to clean spill area.

Environmental Precautions: Report spills and releases as required to appropriate authorities.

7. Handling and Storage

Precautions for Safe Handling: Do not breathe dust. Prevent contact with the eyes and skin. Wear appropriate protective clothing and equipment handling this material. Wash thoroughly after handling. Immediately remove contaminated clothing and launder before re-use. Do not eat, drink, or smoke in the work area. Keep product dry until use.

Empty containers may contain product residue and may be hazardous. Follow all SDS precautions in handling empty containers.

Respirable crystalline silica dust may be in the air without a visible dust cloud. Use adequate exhaust ventilation and dust collection to reduce respirable crystalline silica dust levels to below the permissible exposure limit ("PEL"). Maintain and test ventilation and dust collection equipment. Use all available work practices to control dust exposures, such as water sprays. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Keep airborne dust concentrations below permissible exposure limits.

Where necessary to reduce exposures below the PEL or other applicable limit (if lower than the PEL), wear a respirator approved for silica containing dust when using, handling, storing, or disposing of this product or bag. See Section 8, for further information on respirators. Do not alter the respirator. Do not wear a tight-fitting respirator with facial hair such as a beard or mustache that prevents a good seal between the respirator and face. Maintain, clean, and fit test respirators in accordance with applicable standards. Wash or vacuum clothing that has become dusty.

Refer to The OSHA Respirable Crystalline Silica Standards; 29CFR1910.1053, 1926.1153 and 1915.1053.

Conditions for Safe Storage, Including any Incompatibilities: Store in cool, dry area. Keep dry until ready to use. Avoid unintentional contact with water. Wet cement is alkaline and is incompatible with acids, ammonium salts and aluminum metal. Protect from physical damage.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Crystalline Silica	0.025 mg/m ³ TWA, ACGIH TLV 0.05 mg/m ³ TWA OSHA PEL
Cement, Portland	1 mg/m ³ TWA, ACGIH TLV (Respirable) 15 mg/m ³ TWA OSHA PEL (Total dust) 5 mg/m ³ TWA OSHA PEL (Respirable fraction)
Aluminum Oxide	15 mg/m ³ TWA OSHA PEL (Total dust) 5 mg/m ³ TWA OSHA PEL (Respirable fraction)

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Limestone (Calcium carbonate)	15 mg/m ³ TWA OSHA PEL (Total dust) 5 mg/m ³ TWA OSHA PEL (Respirable fraction)
Gypsum (Calcium sulfate)	10 mg/m ³ TWA, ACGIH TLV (Inhalable)
Calcium Oxide	2 mg/m ³ TWA, ACGIH TLV 5 mg/m ³ TWA OSHA PEL
Iron Oxide	5 mg/m ³ TWA, ACGIH TLV (Respirable) 10 mg/m ³ TWA OSHA PEL (Fume)

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below applicable occupational exposure limits. Refer to The OSHA Respirable Crystalline Silica Standards; 29CFR1910.1053, 1926.1153 and 1915.1053.

Personal Protective Equipment

Respiratory Protection: If needed, a NIOSH approved respirator with dust cartridges (N95/P95 or N100/P100) may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form, and concentration. Follow OSHA 1910.134, and 1053, 1926.1153, 1915.1053, ANSI Z88.2, CSA Standard Z94.4-02 and good Industrial Hygiene practice.

Gloves: Avoid skin contact. Wear impervious gloves if needed to avoid contact.

Eye Protection: Chemical safety goggles are recommended.

Other Protective Equipment/Clothing: Impervious clothing as needed to avoid skin contact and contamination of personal clothing. A safety shower and eye wash should be available in the immediate work area. If clothing becomes contaminated with dust or wet cement, remove immediately and launder before reuse.

9. Physical and Chemical Properties

Appearance and Odor: Gray or white granulated powder with no odor.

Physical State: Solid.	Odor Threshold: Not applicable
pH: Not applicable. (12-13 in water)	Specific Gravity: Not determined
Initial Boiling Point/Range: Not applicable	Vapor Pressure: Not applicable
Melting/Freezing Point: Not applicable	Vapor Density: Not applicable
Solubility In Water: Insoluble.	Percent Volatile: 0
Viscosity: Not applicable	Evaporation Rate: Not applicable
Relative Density: >1	VOC Content: 0
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not applicable
Flash Point: Not applicable	Flammability (solid, gas): Not applicable
Flammability Limits: No data available	Decomposition Temperature: Not applicable
Particle Characteristics: Not applicable	

10. Stability and Reactivity

Reactivity: Product is designed to react with water and produce caustic calcium hydroxide to bind cement aggregate.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous reactions will not occur under normal conditions of storage and use. Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride. Unintentional contact with water will result in hydration and produce caustic calcium hydroxide.

Conditions to Avoid: Unintentional contact with water. Wetted product and incompatible materials.

Incompatible Materials: Strong acids, ammonium salts, hydrofluoric acid, and aluminum metal.

Hazardous Decomposition Products: None known.

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11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Inhalation of dust causes mucous membrane and respiratory irritation.

Skin Contact: Causes skin irritation. Wet cement is corrosive and may cause skin damage and burns.

Eye Contact: Causes severe eye damage and burns.

Ingestion: Severe irritation or burns to gastrointestinal tract may occur if swallowed.

Chronic Effects: Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis and COPD) and kidney disease.

Carcinogenicity Listing: Crystalline Silica is classified by IARC as 'Carcinogenic to humans (Group 1)'; NTP as a 'Known human carcinogen' and is listed as an OSHA carcinogen. None of the other components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: Not classified.

Germ Cell Mutagenicity: Not classified.

Numerical Measures of Toxicity:

Product components are not acutely toxic.

12. Ecological Information

Ecotoxicity:

This product is not expected to be harmful to the aquatic environment or to have long-term adverse effects.

Persistence and Degradability: Biodegradation is not applicable to inorganic substances.

Bio accumulative Potential: Not expected to be bioaccumulative.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: Not regulated.

IMDG Dangerous Goods Description: Not regulated.

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IATA Dangerous Goods Description: Not regulated.

Transport in Bulk According to IMO Instruments: Not determined.

15. Regulatory Information


United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA Hazard Category (311/312): Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65:  **WARNING:** This product can expose you to chemicals including Crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

16. Other Information

DATE OF CURRENT REVISION: May 10, 2023
REVISION SUMMARY: New SDS
DATE OF PREVIOUS REVISION: N/A

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