



WHEN THE **HEAT** IS ON, KEEP YOUR COOL WITH **AVS!**

Safety Data Sheet (SDS)

SDS-146
May 2019

Product: AVS Vermiculite Coated Fiberglass Fabrics

1. Chemical Product and Company Identification

Trade Name: AVS VERMICULITE COATED FIBERGLASS, WOVEN FABRIC
TEXTURIZED PLAIN WEAVE

Synonyms: FG2025VC, FG24VC, FG35VC, and FG64VC

Manufacturer:

AVS Industries LLC
21 Bellecor Drive
Unit C
New Castle, DE 19720

Phone Product Information (302) 221-1720
Revision Date: May 31, 2019

DESCRIPTION

No Hazard Rating is available for this Product.

2. Hazard Identification

Emergency Overview:

Tan colored flexible woven fiberglass fabric with no odor. Fabric has been coated with an inorganic vermiculite coating. Vermiculite particles may become dislodged from the fabric if disrupted by abrasion or flexing of the fabric.

Effects of Overexposure:

Eye Contact: Slight irritation may be caused in contact with eyes.

Skin Contact: Temporary irritation of skin may be produced.

Inhalation: Inhalation of airborne fibers may cause irritation to the mouth, nose and throat.

Ingestion: May cause temporary irritation of the digestive tract, but not an expected route of entry in industrial uses.

Chronic Hazards: There are no known chronic health effects associated with the use of this product under normal working conditions.

Primary Routes of Entry: Skin contact, inhalation, ingestion & eye contact.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as carcinogen.

Product: AVS Vermiculite Coated Fiberglass Fabrics

3. Composition and Information on Ingredients

Ingredient(s)	CAS Number	Approx. Percent
Fiberglass	65997-17-3	90 to 97%
Delaminated Vermiculite	110638-71-6	2 – 7%
Residual Compounds (Organic/Inorganic)	None Assigned	<1.0%

Note: Delaminated Vermiculite is a Magnesium-Aluminum Silicate

4. First Aid Information

Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Seek medical attention promptly.

Skin Contact: Wash contaminated skin thoroughly with mild soap and cool water. Seek medical attention if irritation persists.

Inhalation: Remove person from source of exposure and then seek medical attention immediately.

Ingestion: Seek medical attention immediately.

5. Fire Fighting Measures

Flash Point: N.A.

Lower Explosive Limit (%): N.A.

Upper Explosive Limit (%): N.A.

Autoignition Temperature: N.D.

Extinguishing Media: Carbon dioxide, water, foam or dry chemical for type of surrounding fire.

Unusual Fire & Explosion Hazards: N/A

Fire Fighting Instructions: Wear full fire fighting protective equipment including self-contained breathing apparatus.

6. Accidental Release Measures

Step to be taken in case material is released or spilled:

Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant.

Dispose according to federal, state, and local environmental regulations.

7. Handling and Storage

Keep material in a clean dry place, and keep container closed.

Particular care should be taken when working with "used" material to minimize dust. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

Product: AVS Vermiculite Coated Fiberglass Fabrics

8. Exposure Controls and Personal Protection

ENGINEERING CONTROLS:

Ventilation: General ventilation and/or local exhaust ventilation are adequate.

Respiratory Protection: Respirators are not necessary under normal working conditions.

Eye Protection: Eye protection is not necessary under normal working conditions.

Protective Clothing: Protective Clothing is not necessary under normal working conditions.

Hygienic Practices: Use good personal hygiene practices.

EXPOSURE LIMITS:

Fiberglass

PEL (OSHA) 5 mg/m³ TWA (respirable dust), 15 mg/m³ (total)

TLV (ACGIH) 5 mg/m³ TWA (inhalable fraction)

NIOSH: 5 mg/m³ (total)

3 fibers/cm³

(fibers \leq 3.5 micrometer in diameter and \geq 10 micrometer in length)

9. Physical and Chemical Properties

PHYSICAL DATA:

Fabric (E-Glass) Softening Point: 1555° F

Fabric (E-Glass) Melting Point: 2075° F

Delaminated Vermiculite Melting Point: 2462°F

Solubility in Water: Negligible

Vapor Pressure: N.D.

Vapor Pressure: N.D.

Specific Gravity: 2.5

Color: Off-white or tan colored

Odor: None

Physical State: Woven fabric

10. Stability and Reactivity

Chemical Stability: Product is stable at normal temperature and storage conditions.

Incompatibilities: Basic phosphates, hydrofluoric acid, and some oxides and hydroxides.

Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

Hazardous Combustion and Decomposition Products (Coating Only): Oxidation of the hydrocarbon coating produces carbon monoxide and carbon dioxide.

11. Toxicological Information

CARCINOGENICITY STATUS: This product consisting of the E-Glass fiberglass fabric and the vermiculite coating are NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

MEDICAL CONDITIONS AGGRAVATED: None known.

12. Ecological Information

No information is available; however, toxicity is expected to be low based on the insolubility in water of the product.

Product: AVS Vermiculite Coated Fiberglass Fabrics

13. Disposal Considerations

Dispose of waste material in accordance with applicable federal, state, and local environmental regulations.

Transportation Information

DOT Proper Shipping Name: AVS VERMICULITE COATED FIBERGLASS FABRICS

DOT Hazardous Class: None

DOT UN/NA Number: None

Emergency Response Guide Number: None

14. Regulatory Information

U.S. FEDERAL REGULATIONS AS FOLLOWS:

SARA Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372: None

TSCA: The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: None

INTERNATIONAL REGULATIONS AS FOLLOWS:

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS CLASS: Not Regulated.

15. Other Information

This Material Safety Data Sheet was revised in its entirety in May 2019.

ABBREVIATIONS:

- 1) ACGIH – American Conference of Governmental Industrial Hygienists
- 2) OSHA – Occupational Safety and Health Administration
- 3) NIOSH – National Institute of Occupational Safety and Health
- 4) IARC – International Agency for Research on Cancer
- 5) NTP – National Toxicology Program
- 6) TLV – Threshold Limit Value
- 7) PEL – Permissible Exposure Limit
- 8) TWA – Time Weighted Average
- 9) STEL – Short Term Exposure Limit
- 10) IDHL – Immediately Dangerous to Life or Health
- 11) N.A. – Not Applicable
- 12) N.D. – Not Determined
- 13) N.E. – Not Established
- 14) DSL – Domestic Substances List

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