



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

## Safety Data Sheet (SDS)

**SDS-134**  
**May 2019**

### Product: AVS Fiberglass Needled Insulation

#### 1. Chemical Product and Company Identification

**Trade Name:** AVS Fiberglass Needled Insulation FG25, FG50, FG100

**Synonyms:** Fiberglass Needled Insulation, Needled Mat

**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:**

Needled Fiberglass Insulation with no odor.

**Effects of Overexposure:**

**Eye Contact:** Slight irritation may be caused in contact with eyes. Itching and redness of the eyes.

**Skin Contact:** Temporary irritation of skin may be produced. Itching and redness may occur. Rash possible.

**Inhalation:** Inhalation from fibers and dust from the needled fiberglass insulation. Sore throat is a common side effect.

**Ingestion:** Not Applicable.

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

**Primary Routes of Entry:** Inhalation and eye contact from dust and fibers.

**NFPA Rating:** Health – 1, Fire – 0, Reactivity – 0, Specific Hazard – None

**HMIS III Rating:** Health – 1, Flammability – 0, Physical Hazards – 0,  
Personal Protection – B (Safety Glasses, Gloves)

## Product: AVS Fiberglass Needled Insulation

### 3. Composition and Information on Ingredients

Ingredient(s)	CAS Number	Approx. Percent
Fiberglass	65997-17-3	100%

Exposure Limits: OSHA PEL 15 mg/m<sup>3</sup> (total), 5 mg/m<sup>3</sup> (respirable), ACGIH TLV 1 f/cc

### 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: Not applicable.

### 5. Fire Fighting Measures

Flash Point: > 482°F (250°C)  
Lower Explosive Limit (%): N.A.  
Upper Explosive Limit (%): N.A.

Autoignition Temperature: N.D.

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

Unusual Fire & Explosion Hazards: None

Fire Fighting Instructions: Wear full fire fighting protective equipment including self-contained breathing apparatus. Thermal degradation (decomposition) of the fiber coating may produce an irritating mixture of fumes and smoke.

### 6. Accidental Release Measures

Needled fiberglass insulation is manufactured in roll form. If the material is accidentally released, please rewind the material back on to the roll.

### 7. Handling and Storage

Store material in a clean dry place. Store away from oxidizing materials.

Use specified material handling equipment.

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 Fiberglass Needled Insulation

### 8. Exposure Controls and Personal Protection

#### ENGINEERING CONTROLS:

Ventilation: Special ventilation is not required in handling. Local exhaust and dust collection.

Respiratory Protection: No special respiratory equipment is required in handling.

Eye Protection: Recommend safety glasses. No additional special eye protection is required in handling.

Protective Clothing: Recommend gloves, long shirts, and pants. Protect skin from contact. No special protective clothing is required in handling.

Hygienic Practices: Use good personal hygiene practices. Wash hands with soap and water after handling.

### 9. Physical and Chemical Properties

#### PHYSICAL DATA:

Fiberglass Softening Point: 1555° F

Fiberglass Melting Point: 2075° F

Solubility in Water: Insoluble

Vapor Pressure: N.D.

Vapor Density: N.D.

Specific Gravity: 2.5

Color: Off-white to White

Odor: None

Physical State: Fiberglass Needled Insulation

### 10. Stability and Reactivity

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

#### Incompatibilities:

Fiberglass Fabric: Basic phosphates, hydrofluoric acid, and some oxides and hydroxides.

Silicone Coating:

Conditions to Avoid: Oxidizing materials can cause a reaction.

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

Hazardous Decomposition Products: Thermal breakdown of this product during very high heat conditions may evolve the following hazardous decomposition products: Carbon monoxide; Carbon dioxide

### 11. Toxicological Information

Any direct contact with fiberglass or exposure to airborne fiberglass dust may irritate the eyes, skin, nose and throat. Fiberglass fibers may cause itching of the skin. This is not an allergic reaction to fiberglass. The inhalation of the fiberglass fibers or dust may irritate the throat and lungs potentially resulting in a cough or scratchy throat. Not all people are sensitive to the fiberglass dust or fibers.

Medical Conditional Aggravated: None known.

### 12. Ecological Information

No known hazards. Inhalation of fiberglass fiber and dust is the only issue. Specifically, 10 milligrams per cubic meter for fiber diameters less than 7 microns.

## Product: AVS Fiberglass Needled Insulation

### 13. Disposal Considerations

Dispose of waste material in accordance with applicable federal, state, and local environmental regulations. Incineration preferred in a city, state, or federal approved disposal facility.

### 14. Transportation Information

DOT Proper Shipping Name: Fiberglass Needled Insulation  
DOT Hazardous Class: None  
DOT UN/NA Number: None  
Emergency Response Guide Number: None

### 15. Regulatory Information

None known

### 16. Other Information

This 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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