



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

## Safety Data Sheet

**SDS-151**  
**July 2019**

### Product: PTFE Coated Para-Aramid Sewing Thread with Stainless Steel Wire

#### 1. Chemical Product and Company Identification

**Trade Name:** KPS3, KPS10G

**Company Identification:**

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

Phone Product Information (302) 221-1720  
Revision Date: July 12, 2019

#### DESCRIPTION

**No Hazard Rating is available for this Product.**

#### 2. Hazard Identification

**Precautionary Statement:** Inhalation of the thermal decomposition products, arising from high temperature or fire, is hazardous to health. Contamination of tobacco products must be avoided.

Potential Hazards:

**Skin:** Cutting or abrading material may produce small amounts of fiber particulates which may cause skin irritation. Frequent or prolonged contact may irritate dermatitis.

**Eyes:** Slightly irritating but does not injure eye tissue. Not a likely route of entry.

**Inhalation:** Inhalation of fumes from burning or heating above 572°F (300°C) can cause polymer fume fever.

**Ingestion:** Not a likely route of entry. Ingestion can cause gastrointestinal tract irritation.

#### 3. Composition and Information on Ingredients

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>Weight (%)</b>
Polytetrafluoroethylene (PTFE)	9002-84-0	10-20%
Para-Aramid (Kevlar®) fiber	26125-61-1	55-85%
Stainless Steel Thread		5-15%

*Note: Kevlar® is a registered trademark of DuPont*

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### 4. First Aid Information

**Skin** - Not normally considered hazardous, if irritation occurs wash thoroughly with soap and water, if irritation persists consult a physician.

**Eyes** - Not normally considered hazardous, if irritation occurs flush with water, if irritation persists consult a physician.

**Inhalation** - N/A for material as supplied at room temperature and used as intended. Processing at high temperature may generate fumes which can cause flu-like symptoms. Remove to fresh air, consult physician if severe.

**Ingestion** - If swallowed consult a physician. Do not induce vomiting unless instructed to do so by a physician.

**Most Important Symptoms and Effects** - Inhalation of the thermal decomposition products, arising from high temperature or fire will cause flu like symptoms. Symptoms may be delayed several hours.

### 5. Fire Fighting Measures

**Extinguishing Media** - Use media appropriate to primary source of fire.

**Specific Hazards during Fire-Fighting** – Material is incombustible but if other fuel is present the decomposition products will burn as about 1250°F (676°C), producing toxic and corrosive gaseous products.

**Special Protective Equipment** - Wear self-contained breathing apparatus and protective suit. Wear protective gloves during cleaning up work after a fire.

### 6. Accidental Release Measures

**Personal Precautions** - N/A Solid material

**Environmental Precautions** - N/A Solid Material

**Methods & Materials for Cleanup** - Collect with hands, broom, shovel, and/or vacuum. Avoid dust formation.

### 7. Handling and Storage

Store and handle using good warehouse practices. Avoid contamination of any tobacco products. Do not touch the thread while moving on the spool or machine. Entanglement with this fiber can severely cut or even sever fingers.

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### 8. Exposure Controls and Personal Protection

**Engineering Controls** - NA

**Personal protective equipment** - Use appropriate NIOSH-approved respirator in the presence of dust or decomposition fumes.

**Eye and Face** - Use of safety glasses is recommended.

**Hands, Arm, and Body** - Material is small in diameter yet relatively strong, and can produce cuts, particularly if being rewound or transferred at a high speed.

#### Exposure Guidelines:

Ingredient Name	ACGIH TLV mg/m <sup>3</sup>	OSHA PEL mg/m <sup>3</sup>
Polytetrafluoroethylene (PNOC)		
Particulates Not Otherwise Classified	15 (total dust) 5 (respirable fraction)	10 (inhalable fraction) 3 (respirable fraction)

Ingredient Name	AEL (DuPont's Acceptable Exposure Limit)
Para-Aramid	
Respirable Fibers	2 fibers/cm <sup>3</sup>
Non-Fibrous Particulate	5mg/m <sup>3</sup>

Hygiene Measures - Wash hands immediately after handling, do not contaminate tobacco products.

### 9. Physical and Chemical Properties

**Appearance** - Solid continuous sewing thread of various colors

**Upper / Lower Flammability or Explosive Limits:** - N/A

**Odor** - None

**Vapor Pressure** - N/A

**Odor Threshold** - N/A

**Vapor Density** - N/A

**pH** - N/A

**Relative Density** - N/A

**Melting Point / Freezing Point** - N/A

**Solubility** - Insoluble

**Initial Boiling Point & Boiling Range** - N/A

**Flash Point** - N/A

**Evaporation Rate** - N/A

**Decomposition Temperature** - 572°F (300°C)

**Viscosity** - N/A

### 10. Stability and Reactivity

**Reactivity** - Stable at normal ambient temperature and pressure

**Chemical Stability** - Stable

**Incompatibilities** - Strong oxidizers, acids, and bases.

**Hazardous Decomposition Products** - Thermal decomposition may produce toxic and corrosive gaseous products.

**Hazardous Polymerizations** - Hazardous polymerization will not occur

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### 11. Toxicological Information

**Immediate (acute) Effects** - No acute effects have been identified.

**Delayed Effects** - No delayed or chronic effects have been identified.

**Other Data** – NA

### 12. Ecological Information

No ecological information is available for this material.

### 13. Disposal Considerations

Waste Disposal: Material as supplied is not a hazardous waste according to RCRA. Landfill according to current federal, state, and local regulations, or incinerate in a high-temperature incinerator designed to burn fluoride-containing materials. Processing, use or contamination may make this information inaccurate or incomplete.

### 14. Transportation Information

**US DOT Hazard Class** - NA

**US DOT ID Number** – NA

### 15. Regulatory Information

**TSCA Status**- Each ingredient is on the inventory

**NRS Status** (Canada) - Each ingredient is on the DSL

SARA Title III

**Hazard Categories:**

Acute Health: Yes

Chronic Health: No

Fire No

Pressure Hazard: No

Reactivity: No

**Reportable Ingredients:**

Sec. 313: none

Sec. 302: none

California Prop 65: This product contains Nickel (CAS # 7440-02-0), a material known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### 16. Other Information

This Safety Data Sheet was revised in its entirety on July 12, 2019

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