

## 1. Product and Company Identification

**Product Code:** 1687  
**Product Name:** 1687  
**Company Name:** Appli-Tec, Inc  
 7 Industrial Way Unit 1  
 Salem, NH 03079  
**Phone Number:** (603)685-0500  
**Web site address:** www.appli-tec.com  
**Emergency Contact:** Contact medical emergency services  
**Information:** Call Chemtrec for Transport Info. (800)424-9300  
**Intended Use:** Filler/Additive for thermoset systems

## 2. Hazards Identification

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**OSHA Regulatory Status:** This material is classified as not hazardous under OSHA regulations.  
**Inhalation:** No hazard expected in normal industrial use.  
**Skin Contact:** No hazard expected in normal industrial use.  
**Eye Contact:** No hazard expected in normal industrial use.  
**Ingestion:** No hazard expected in normal industrial use.  
**Additional Information:** No data available.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7440-33-7	Tungsten	>=99.0 %

**Additional Information:** Exact percentages have been withheld as a trade secret.

## 4. First Aid Measures

### Emergency and First Aid Procedures:

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**In Case of Skin Contact:** Wash clothing before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**In Case of Ingestion:** Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

**Note to Physician:** Treat symptomatically and supportively.

## 5. Fire Fighting Measures

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use special powder against metal fire, dry sand, or dry sodium chloride.

**Unsuitable Extinguishing Media:** DO NOT USE WATER, FOAM OR CO2.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** No data available.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition. Avoid dust formation. Discharge into the environment must be avoided. Vacuum or sweep up material and place into a suitable disposal container.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid generating dusty conditions. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.

**Precautions To Be Taken in Storing:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Take precautionary measures against static discharges.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7440-33-7	Tungsten	No data.	TLV: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	No data.

**Respiratory Equipment (Specify Type):** Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ <input type="checkbox"/> ] Gas [ <input type="checkbox"/> ] Liquid [ <input checked="" type="checkbox"/> ] Solid	
<b>Appearance and Odor:</b>	Appearance: Gray. Powder. Odor: No apparent odor.	
<b>pH:</b>	4	
<b>Melting Point:</b>	~ 3422.00 C	
<b>Boiling Point:</b>	No data.	
<b>Flash Pt:</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	No data.	
<b>Density:</b>	19.3 G/CC	
<b>Solubility in Water:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ <input type="checkbox"/> ] Stable [ <input checked="" type="checkbox"/> ]	
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, ignition sources, dust generation.	
<b>Incompatibility - Materials To Avoid:</b>	acids.	
<b>Hazardous Decomposition or Byproducts:</b>	No data available.	
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ] Will not occur [ <input checked="" type="checkbox"/> ]	
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.	

### 11. Toxicological Information

**Toxicological Information:** No data available.

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Observe all federal, state, and local environmental regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**Name:**

**DOT Hazard Class:**

**UN/NA Number:**

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not Regulated.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not Regulated.

**Name:**

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7440-33-7	Tungsten	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7440-33-7	Tungsten	TSCA: Inventory

### 16. Other Information

**Revision Date:** 12/18/2018

**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:** The information on this data sheet represents our current and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or the applicable technical bulletin, or which involves using the product in combination with any other product or any other process is the responsibility of the user.