



**2022**  
**MATERIAL SAFETY DATA SHEET**  
**FORTRESSACCENTS WIRING**

Reviewed: November 10, 2021

1	IDENTIFICATION
<b>Product Identification:</b>	FortressAccents Wiring
<b>USE:</b>	Wiring is an electrical conductor used to power electrical components
<b>Manufacturer:</b>	Fortress Building Products 1720 N. 1 <sup>st</sup> St. Garland, TX 75040 Tel: 972.231.4001
<b>Emergency Info:</b>	<b>(USA Only) 866.323.4766</b> <a href="mailto:customercare@fortressbp.com">customercare@fortressbp.com</a>

2	HAZARDOUS IDENTIFICATIONS
<b>OHSA Classification:</b>	Non-Hazardous
<b>Signal Words:</b>	None
<b>Hazard Statement:</b>	None
<b>Hazard Pictograms:</b>	None
<b>Risk Phrases:</b>	None
<b>Classification of the Substance or Mixture:</b>	This product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>Information Concerning Particular Hazard for Human and Environment:</b>	This product is not labeled according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>Classification System:</b>	This classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), extended by company and literature data

3 COMPOSITION		
CAS NUMBER	NAME	PERCENTAGE
7440-50-8	copper	>95%

4 FIRST AID	
<b>General First Aid:</b>	No special measurements required
<b>After Inhalation:</b>	Thermal decomposition can lead to release of irritating gases and vapors Supply Fresh Air; consult doctor in case of discomfort
<b>After Skin Contact:</b>	Generally, product does not cause skin irritation Wash after handling, if irritation occurs, contact physician
<b>After Eye Contact:</b>	Rinse open eye for 15 minutes under running water Get medical attention
<b>After Swallowing:</b>	Clean mouth out with water and drink plenty of water Contact physician if symptoms occur
<b>Most Important Symptoms/Effects, Acute or Delayed:</b>	No relevant information

5 FIRE FIGHTING MEASURES	
<b>Flammability:</b>	Non-flammable
<b>Suitable Extinguishing Agents:</b>	Use firefighting measures that are suitable for environment
<b>Specific hazards:</b>	None
<b>Special Protective Equipment for Fire fighters:</b>	No special equipment

6 ACCIDENTAL RELEASE MEASURES	
<b>Methods for Clean up:</b>	Pick up mechanically
<b>Environmental precautions:</b>	None
<b>Personal Precautions:</b>	None

<b>7</b>	<b>HANDLING AND STORAGE</b>
<b>Precautions for Safe Handling:</b>	None, reference general occupational hygienic measures in Section 8
<b>Conditions for safe storage:</b>	None

<b>8</b>	<b>EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>
<b>Exposure Limits:</b>	<p><b>Copper:</b></p> <p><b>ACGIH TLV:</b></p> <p style="padding-left: 40px;">TWA: 0.2 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 1 mg/m<sup>3</sup></p> <p><b>OSHA PEL:</b></p> <p style="padding-left: 40px;">(Vacated) TWA: 0.1 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 0.1 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 1 mg/m<sup>3</sup></p> <p><b>NIOSH IDLH:</b></p> <p style="padding-left: 40px;">IDLH: 100 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 1 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 0.1 mg/m<sup>3</sup></p> <p><b>Mexico OEL (TWA):</b></p> <p style="padding-left: 40px;">TWA: 0.2 mg/m<sup>3</sup></p> <p style="padding-left: 40px;">TWA: 1 mg/m<sup>3</sup></p>
<b>Appropriate Engineering Controls:</b>	None
<b>Personal Precautions:</b>	Use gloves to protect from puncture
<b>Protection Equipment</b>	
<b>Specification:</b>	Glove material must be impermeable and resistant to steel

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

<b>Form:</b>	Solid
<b>Color:</b>	Orange/Brown
<b>Odor:</b>	None
<b>Odor Threshold:</b>	Not Applicable
<b>pH:</b>	Not Applicable
<b>Melting Point:</b>	1981.4°F [1083°C]
<b>Freezing Point:</b>	Not Applicable
<b>Boiling Point:</b>	4703°F [2595°C]
<b>Flash Point:</b>	Not Applicable
<b>Evaporation Rate:</b>	Not Applicable
<b>Flammability:</b>	Not Applicable
<b>Upper Limit:</b>	Not Applicable
<b>Lower Limit:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable
<b>Vapor Density:</b>	Not Applicable
<b>Relative Density:</b>	Not Applicable
<b>Solubility:</b>	Not Applicable
<b>Partition Coefficient:</b>	Not Applicable
<b>Auto-Ignition Temp:</b>	Not Applicable
<b>Decompression Temp:</b>	Not Applicable
<b>Viscosity:</b>	Not Applicable

10	STABILTIY AND REACTIVITY
<b>Reactivity:</b>	Not applicable
<b>Chemical Stability:</b>	Air Sensitive
<b>Possibility of Hazardous Reaction:</b>	Not applicable
<b>Conditions to Avoid:</b>	Dust accumulation or excessive heat
<b>Incompatible Materials:</b>	Strong oxidizing agents, acids
<b>Hazardous Decomposition Products:</b>	Copper Oxides

11	TOXICOLOGICAL INFORMATION
<b>Acute Toxicity:</b>	
LD50 Values	
<b>7440-50-8</b>	<b>copper</b>
Oral LD50	472mg/kg (rat)
<b>Chronic Toxicity:</b>	
<b>Oral:</b>	
Chronic copper is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease Also been reported that copper poisoning can lead to hemolytic anemia	
<b>Skin Corrosion/Irritation:</b>	No data available
<b>Serious eye damage/ irritation:</b>	No data available
<b>Respiratory or skin sensitization:</b>	No data available
<b>Toxicology Information:</b>	When handled according to specification, no long or short term, harmful effects exist

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**ECOLOGICAL INFORMATION**

**Ecotoxicology: contains substance (Cu) that is very toxic to aquatic organisms**

Component	Freshwater Algae	Freshwater Fish	Water Flea
Copper	EC50: 0.031 - 0.054 mg/L, 96h static (Pseudokirchneriella subcapitata) EC50: 0.0426 - 0.0535 mg/L, 72h static (Pseudokirchneriella subcapitata)	LC50: = 0.052 mg/L, 96h flow-through (Oncorhynchus mykiss) LC50: = 1.25 mg/L, 96h static (Lepomis macrochirus) LC50: = 0.3 mg/L, 96h semi-static (Cyprinus carpio) LC50: = 0.8 mg/L, 96h static (Cyprinus carpio) LC50: = 0.112 mg/L, 96h flow-through (Poecilia reticulata) LC50: = 0.2 mg/L, 96h flow-through (Pimephales promelas) LC50: 0.0068 - 0.0156 mg/L, 96h (Pimephales promelas) LC50: < 0.3 mg/L, 96h static (Pimephales promelas)	EC50: = 0.03 mg/L, 48h Static (Daphnia magna)

**Persistence and Degradability:** Insoluble in water

**Bioaccumulative Potential:** No available data

**Mobility in Soil:** No available data

Prevent dust from cutting to accumulate in soil that might migrate to ground water

Do not discard in wire in any body of water

**Other Adverse Effects:** No available data

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
<b>Disposal:</b>	Can be recycled where possible. See local ordinances.
<b>Container Cleaning and Disposal:</b>	Dispose of according to official regulations.

<b>14</b>	<b>TRANSPORTATION INFORMATION</b>
<b>UN Number (DOT, IMDG, IATA):</b>	Not regulated
<b>UN Proper Shipping Name (DOT, IMDG, IATA):</b>	Not regulated
<b>Transport Hazard Class (DOT, IMDG, IATA):</b>	Not regulated, labels not required on outside shipping container for these products and all products may be shipped through U.S. Postal Services
<b>Packaging Group (DOT, IMDG, IATA):</b>	Not regulated
<b>Environmental Hazards, Marine pollutants:</b>	Not regulated
<b>Special Precautions:</b>	None

<b>15</b>	<b>REGULATORY INFORMATION</b>				
<b>United States Inventory</b>					
<b>Component</b>	<b>CAS</b>	<b>TSCA</b>	<b>TSCA Inventory Notification Requirement</b>		
copper	7440-50-8	x	Active		
<b>TSCA:</b> Toxic Substance Control Act					
"X" = Listed					
"- " = Unlisted					
<b>Right to know:</b>					
<b>Component</b>	<b>Massachusetts</b>	<b>New Jersey</b>	<b>Pennsylvania</b>	<b>Illinois</b>	<b>Rhode Island</b>
copper	X	X	X	X	X
<b>SARA 313:</b> Greater than 1% (threshold).					
<b>California Prop 65:</b> None of the listed ingredients.					
<b>Clean Water Act:</b>					
<b>Component</b>	<b>CWA-Hazardous Substance</b>	<b>CWA-Reportable Quantities</b>	<b>CWA-Toxic Pollutants</b>	<b>CWA-Priority Pollutants</b>	
copper	-	-	X	X	



**16 OTHER INFORMATION**

This information is accurate and reliable to the best of our knowledge. It is furnished without warranty, expressed or implied. Fortress Iron assumes no legal responsibility for hazards which may result through the use of, or reliance upon, this data. This MSDS was created in the compliance with health and safety practices and is not intended to be used for any other purpose.

Revision History:

November 16, 2021 – Original Issue