

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: www.circuitmedic.com
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Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Circuit Frame Copper Foil
Product Number:	525-2010-1 through 525-2901-3X
UFI Number:	N/A
Recommended use:	Copper foil used with Circuit Frames for circuit pad and conductor rework and repair.
Supplier:	CircuitMedic 22 Parkridge Road, Haverhill, MA 01835 USA PHONE: 978-373-1600, FAX: 978-372-5700
Emergency Response:	For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 CCN4877 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Section 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	Classification according to Regulation (EC) No. 1272/2008 (CLP-Regulation): Semi-finished products do not fall within the scope of the CLP-Regulation, and therefore they are not classified.
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Label elements and precautionary statements.	
Labeling according to Regulation (EC) No. 1272/2008:	Void
Hazard pictograms:	Void
Signal word:	Void
Hazard determining components of labelling:	Void
Hazard statements:	Void
Other hazards:	Results of PBT and vPvB assesment PBT: Not applicable to metals. vPvB: Not applicable to metals.

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Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Description:	Metal in compact form.
Material code (DIN CEN/TS 13388:2015-08):	Cu-ETP
Material number (DIN CEN/TS 13388:2015-08):	CW004A
UNS-number:	C11000
Information:	The classifications listed below reflect the classification of the relevant alloying constituents and are only for information. The mentioned percentages are reference values.

Chemical Name	C.A.S. Number	EINECS Number	Concentration
Copper	7440-50-8	231-259-6	Minimum 99.90%

Section 4. FIRST-AID MEASURES

General Information:	First aid information refers to dust that may be generated. The mixture in solid form does not pose any significant health hazard. However, melting or activities that produce metal dust, smoke, or fumes can cause metal dust to enter the body in harmful amounts.
Inhalation:	Supply fresh air and consult a doctor.
Eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin contact:	Immediately wash with water and soap and rinse thoroughly.
Ingestion:	After swallowing, rinse mouth and drink plenty of water.
Most important symptoms and effects, both acute and delayed:	No further relevant information available.
Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

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Section 5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Use suitable extinguishing agents. Non-flammable. Use firefighting measures that suit the environment.
Special hazards arising from the substance or mixture:	No further information is available.
Advice for firefighters:	Protective equipment. No special measures are required.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Not required.
Environmental precautions:	Not required.
Methods and material for containment and cleanup:	Collect the material and if necessary, dispose as waste according to section 13.
Reference to other sections:	Section 7 for information on safe handling. Section 8 for information on personal protection equipment. Section 13 for disposal information.

Section 7. HANDLING AND STORAGE

Precautions for safe handling:	No special measures required.
Information about fire and explosion protection:	No special measures required.
Conditions for safe storage, including any incompatibilities:	No special measures required. Store in dry conditions.
Specific end uses:	No further relevant information available.

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Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.
Occupational exposure limit values for possible hazards during processing:	General dust limit (A - alveolar fraction, E - respirable fraction) AGW (Germany), (A)3 (E) 10 mg/m ² .
Exposure Controls:	
General protective hygiene measures:	Keep away from foodstuffs and beverages. Wash hands before breaks and at the end of work. Store protective clothing separately. Do not inhale dust, smoke, or mist.
Respiratory protection:	Use a suitable industrial gas mask when workplace limits are exceeded.
Protection of hands:	Protective gloves are recommended, depending on how the material is processed.
Body protection:	Wear suitable protective clothing, depending on how the material is processed.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Metal foil
Form:	Solid
Color:	Copper, red
Odor:	Odourless
Odor threshold:	Not determined.
Change in condition:	
Melting point/freezing point:	1083 °C (lit.)
Initial boiling point and boiling range:	Undetermined
Flash Point:	Not applicable
Explosive properties:	Product does not present an explosion hazard.
Density at 20 °C:	8.9 g/cm ³ (Lit.)
Solubility in/Miscibility with water:	Not soluble.
Other information:	No further relevant information available.

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Section 10. STABILITY AND REACTIVITY

Racttivity:	Not applicable.
Chemical stability:	Not applicable
Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications.
Posiility of hazardous reactrions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerour decomposition products known.

Section 11. TOXICOLOGICAL INFORMATION

General information:	The product does not pose a health hazard if handled properly.
Effect on skin:	No effects.
Effect on eyes:	No effects.
Sensitization:	No effects.

Section 12. ECOLOGICAL INFORMATION

Toxicity:	Aquatic toxicity: No further relevant information is available.
Persistence and degradability:	No further relevant information available.
Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available. General note: Semi-finished articles from copper and copper alloys are not soluble in water.
Results of PBT and vPvB assessment:	PBT: Not applicable to metals. vPvB: Not applicable to metals..
Other adverse effects:	No further relevant information available.

Section 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Recommendation: Contact manufacturer for recycling information.
Waste disposal key:	12 01 03: non-ferrous metal filings and turnings. 16 01 18: non-ferrous metal for non-contaminated waste.

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Section 14. TRANSPORT INFORMATION

UN Number:	ADR, ADN, IMDG, IATA - Class Void
UN Proper Shipping name:	ADR, ADN, IMDG, IATA - Class Void
Transportation hazard classes:	ADR, ADN, IMDG, IATA - Class Void
Packing group:	ADR, ADN, IMDG, IATA - Class Void
Environmental hazards:	Not applicable
Special precautions in water:	Not applicable.
Special precautions for user:	Not applicable.
Transportation in bulk according to Annex II of MARPOL73/78 and the IBC code:	Not applicable.

Section 15. REGULATORY INFORMATION

Chemical safety assessment:	Void.
Directive 2012/18/EU:	Named dangerous substances - ANNEX I none of the ingredients is listed.
Water hazard class:	Generally not hazardous in water.

Section 16. OTHER INFORMATION

No additional information.

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