



Safety Data Sheet

Copper Clean

Date: April 1, 2020

1. PRODUCT IDENTIFICATION

PRODUCT NAME: Copper Clean™

USE: Stick to existing surfaces to cover with copper

GENERIC DESCRIPTION: Copper Surface Patch

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS NO</u>	<u>INGREDIENT</u>	<u>PERCENT</u>	<u>ACGIH</u>	<u>OSHA</u>
7440-50-8	Copper ¹	91.3% - 94.5%		
7440-02-0	Nickel	Proprietary		
7439-89-6	Iron	Less than 1%		
	Trace Elements	Less than 1%		

3. HAZARD IDENTIFICATIONS

GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200..

ROUTES(S) OF ENTRY: The product is not hazardous.

POTENTIAL HEALTH EFFECTS: Copper, in its natural solid sheet state, does not present an inhalation, ingestion, or contact hazard.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with running water for at least 15 minutes. Call a physician at once.

SKIN: Immediately flush with water for 15 minutes. Wash with mild soap and water. If irritation occurs, get medical attention.

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5 FIRE AND EXPLOSION HAZARDS

FLAMMABILITY LIMITS	Not Flammable
FLASH POINT:	Not Flammable
FLAMMABLE LIMITS IN AIR-LOWER:	N/A
FLAMMABLE LIMITS IN AIR-UPPER:	N/A
AUTO-IGNITION TEMPERATURE:	N/A
GENERAL HAZARDS:	None known.
FIRE FIGHTING EXTINGUISHING MEDIA:	Carbon dioxide, water fog, foam.
FIRE AND EXPLOSION HAZARDS:	None.
HAZARDOUS COMBUSTION PRODUCTS:	None.
EMERGENCY RESPONSE GUIDEBOOK:	None

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP MEASURES:	Not applicable.
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7 HANDLING AND STORAGE:

HANDLING: Edges of patches can be sharp. Take caution when handling patches prior to application and apply in a manner that minimizes the presence of sharp corners after application.

STORAGE: No special requirements. No known shelf life limitations. No known incompatible packaging materials.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>NICKEL:</u>	Guideline ACGIH:	TLV-TWA: 1.5 mg/m ³ Inhalable fraction (I)
	Guideline OSHA:	PEL-TWA: 1 mg/m ³
<u>COPPER:</u>	Guideline ACGIH:	TLV-TWA: 1 mg/m ²
		TLV-TWA: 0.2 mg/m ³
	Guideline OSHA:	PEL-TWA: 1 mg/m ³
		PEL-TWA: 0.1 mg/m ³
PERSONAL PROTECTIVE EQUIPMENT:		Cut resistant gloves are recommended during patch removal.
EYE PROTECTION:		Wear side-shield safety glasses, chemical goggles or face shield when necessary.
SKIN PROTECTION:		Wear appropriate gloves as a standard handling procedure.
RESPIRATORY PROTECTION:		Not applicable.
ENGINEERING CONTROLS:		Not applicable.
EMERGENCY RESPONSE PROTECTION:		No additional specialized equipment should be required.

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9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Solid
COLOR:	Rose Gold Metallic
ODOR:	None
ODOR THRESHOLD:	Not Applicable
BOILING POINT:	Not Available
MELTING POINT:	1050 - 1100 deg C
FREEZING POINT:	Not Applicable
BULK DENSITY:	8.94 g/cc
pH:	Not Applicable
SPECIFIC GRAVITY:	8.94
EVAPORATION RATE:	Not Applicable
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY:	Not Applicable

10 STABILITY AND REACTIVITY

STABILITY:	Stable
INCOMPATIBILITY:	Mercury, ammonia, acetyl acids. Contact with strong acids, Bases, or oxidizing agents, Acetylene and Chlorine.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION:	Will not occur.

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15. REGULATORY INFORMATION

<u>NICKEL:</u>	TSCA Inventory Status:	Listed
	Section 313:	EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical
	California PROP 65:	Listed: cancer.
	Canada DSL:	Listed
	EC Number	231-111-4
<u>COPPER:</u>	TSCA Inventory Status:	Dermal LD50: >7.5 g/kg (rabbit subcutaneous)
	Section 313:	EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical
	Canada DSL:	Listed
	EC Number	231-159-6

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials information System(WHMIS).