



## MATERIAL SAFETY DATA SHEET

Celestra, 76, Huancun Road, Zhongcun Street, Panyu Dist, Guangzhou

Celestra CATALOG NUMBER: LUG  
(SEE ADDENDUM)

REVISION: 00  
DATA PREPARED: 13 Feb 2026

PRODUCT DESCRIPTION: COPPER LUG

DOCUMENT NUMBER: **MSDS-0062**  
(FORMERLY MSDS0062)

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### SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

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**PRODUCT NAME:** LUG

**GENERAL USE:** CONDUCTOR TERMINATION

**PRODUCT DESCRIPTION:** COPPER LUG

**GENERIC INGREDIENTS:** COPPER W/TIN

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**24HR EMERGENCY TELEPHONE NUMBERS: CHEMTREC: (703) 527-3887 / 800-424-9300**

FOR PRODUCT INFORMATION: Celestra: +86.20.3471.7744

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### SECTION 2 HAZARDOUS INGREDIENT SECTION

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#### OSHA HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	% BY WT	OSHA PEL	ACGIH TLV	OTHER LIMITS OF EXPOSURE
COPPER	7440-50-8	96.44~98.61	1 mg/M <sup>3</sup>	1 mg/M <sup>3</sup>	STEL: 2 mg/M <sup>3</sup>

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### SECTION 3 HEALTH INFORMATION & PROTECTION

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**CARCINOGENICITY:** NTP? NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO  
**ROUTE(S) OF ENTRY:** INHALATION? NO **SKIN?** NO **INGESTION?** NO

#### HEALTH HAZARDS(ACUTE AND CHRONIC):

#### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** NOT REGULATED.  
**SKIN CONTACT:** NOT REGULATED.  
**INGESTION:** NOT REGULATED.  
**INHALATION:** NOT REGULATED.

#### FIRST AID MEASURES:

**EYE CONTACT:** NOT REGULATED.  
**SKIN CONTACT:** NOT REGULATED.  
**INGESTION:** NOT REGULATED.



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**INHALATION:** NOT REGULATED.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

### WORKPLACE EXPOSURE CONTROLS:

#### PERSONAL PROTECTION:

RESPIRATORY PROTECTION: NONE NEEDED.

VENTILATION:

HAND PROTECTION: PROTECTIVE GLOVES FOR HYPERSENSITIVE PERSONS.

EYE PROTECTIVE: GLASSES, IF APPLIED TO MOVING PARTS IN MOTION.

BODY PROTECTION: OVERALLS.

WORK/HYGIENIC:

## SECTION 4 FIRE & EXPLOSION HAZARDS

**FLASH POINT:** NOT REGULATED.

**EXPLOSIVE PROPERTIES:** NOT REGULATED.

**FLAMMABLE LIMITS:** NOT FLAMMABLE AT AMBIENT TEMPERATURE

**GENERAL HAZARD:**

**FIRE FIGHTING:** FOAM, DRY POWDER, CARBON, DIOXIDE, SAND, EARTH AND WATER MIST.

## SECTION 5 SPILL CONTROL MEASURES

**SPILL RESPONSE:** NOT REGULATED.

**PRODUCT DISPOSAL:** DO NOT INCINERATE. CONTACT WASTE DISPOSAL AUTHORITY FOR ADVICE.

**CONTAINER DISPOSAL:** PAILS WITHOUT LINER SEE "PRODUCT DISPOSAL". PAILS WITH PLASTIC LINER PAIL CAN ONLY BE DISPOSED OF VIA STANDARD WASTE DISPOSAL SERVICES, RECYCLED OR REUSED. LINER - SEE "PRODUCT DISPOSAL".

## SECTION 6 HANDLING & STORAGE



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**GENERAL:** NO SPECIAL HANDLING PRECAUTIONS NECESSARY.

**STORAGE:** DO NOT STORE AT ELEVATED TEMPERATURES.

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### SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

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**APPEARANCE:** GRAINY SEMISOLID PASTE

**AUTOIGNITION**

**COLOR:** COPPER

**TEMPERATURE °F(°C):** >680(360)

**DENSITY(g/cm<sup>3</sup>):** 1.66

**BOILING POINT °F(°C):** >700(371)

**ODOR:** SHARP

**EVAPORATION RATE,**

**pH:** NEUTRAL

**BUTYL ACETATE=1:** <0.01

**PARTITION COEFFICIENT (LOG POW):** N/A

**MELTING POINT:** N/A

**SOLUBILITY IN WATER:** Nil

**PERCENT VOLATILE:** NIL

**VAPOR PRESSURE, (kPa):** <0.01

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):**

**VAPOR DENSITY (AIR=1):** >5

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### SECTION 8 REACTIVITY DATA

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**GENERAL:**

**CHEMICAL STABILITY:** CHEMICAL STABLE UNDER NORMAL CONDITIONS. NO PHOTOREACTIVE AGENTS.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** POWERFUL SOURCES OF IGNITION. STRONG INORGANIC AND ORGANIC ACIDS AND OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION PRODUCTS:** BURNING GENERATES SMOKE, AIRBORNE SOOT, HYDROCARBONS AND OXIDES OF CARBON. RESIDUE MAINLY COMPRISED OF SOOT AND METAL OXIDES AND MINERAL CARBIDES.

**HAZARDOUS POLYMERIZATION:**

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### SECTION 9 REGULATORY INFORMATION

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**DEPARTMENT OF TRANSPORTATION(DOT):** NON-HAZARDOUS



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### HAZARD CLASS:

UN#: PG: ERG: HAZ LABEL:

**I.A.T.A. CLASSIFICATION:** NOT REGULATED

### HAZARD CLASS:

UN#: PG: ERG: HAZ LABEL:

### U.S. FEDERAL REGULATIONS

**TSCA:** ALL COMPONENTS ARE LISTED.

**CERCLA:** NON-HAZARDOUS

**RCRA HAZARD CLASS:** NON-HAZARDOUS

### SARA TITLE III INFORMATION

**SECTION 302:** NONE

**SECTION 311/312:** NONE

**SECTION 313:** THIS PRODUCT CONTAINS COPPER

**NEW JERSEY RIGHT-TO-KNOW INFORMATION:** N/A

**CALIFORNIA PROPOSITION 65 INFORMATION:** NONE.

### INTERNATIONAL:

**WHMIS(CANADA):** NOT REGULATED

## SECTION 10 NOTES

**TOXICOLOGICAL INFO: LC-50:** 1.98G/LT (MYSIDOPSIS BAHA), BASED ON ASSESSMENT FROM RELATED PRODUCTS.

### HAZARD RATING SYSTEMS:

HIMS

NFPA

KEY



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HEALTH	1	1	4=SEVERE
FLAMMABILITY	1	1	3=SERIOUS
FLAMMABILITY	1	1	2=MODERATE
			1=SLIGHT
			0=MININAL

**REVISION SUMMARY:** **SUPERSEDES ISSUE DATE**

ABBREVIATION: N/E=NOT ESTABLISHED  
N/A=NOT AVAILABLE

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### ADDENDUM

<b>Catalog Number</b>	<b>Description</b>
LB101201F-250	Copper Two-Hole Lug-90°, Standard Barrel