## Celestra



# **MATERIAL SAFETY DATA SHEET**

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

Celestra CATALOG NUMBER: LUG

(SEE ADDENDUM)

REVISION: 00 DATA PREPARED: 23 Aug 2025

PRODUCT DESCRIPTION: COPPER LUG

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

#### SECTION 1 PRODUCT INDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: LUG GENERAL USE: CONDUCTOR TERMINATION PRODUCT DESCRIPTION: COPPER LUG GENERIC INGREDIENTS: COPPER W/TIN

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

FOR PRODUCT INFORMATION: Celestra: +86.20.3471.7744

#### SECTION 2 HAZARDOUS INGREDIENT SECTION

#### **OSHA HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	CAS NO.	% BY	wт	OSHA PEL	ACGI	H TLV	OTHER LIMITS ( EXPOSURE	OF
COPPER	7440-50-8	96.44~	98.61	1 mg/M <sup>3</sup>	1 m	g/M <sup>3</sup>	STEL: 2 mg/M <sup>3</sup>	
SECTION 3 HEALTH INFORMATION & PROTECTION								
CARCINOGENICITY:	NTP?	NO		IONOGRAPHS?	NO	OSHA	REGULATED?	NO
ROUTE(S) OF ENTRY:	INHALATION?	NO	SKIN?		NO	INGES	TION?	NO
HEALTH HAZARDS(ACUTE AND CHRONIC):								
POTENTIAL HEALTH EFF	ECTS:							
EYE CONTACT:	NOT REGUI	ATED						
SKIN CONTACT:	NOT REGULATED.							
INGESTION:	NOT REGULATED.							
INHALATION:	NOT REGUI	ATED	•					
FIRST AID MEASURES:								
EYE CONTACT:	NOT REGUI	ATED						
SKIN CONTACT:	NOT REGUI	ATED						
INGESTION:	NOT REGU	ATED						

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**INHALATION:** NOT REGULATED.

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

(SEE ADDENDUM)

#### 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 ATELEVATED TEMPERATURES.

(SEE ADDENDUM)

#### SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

**APPEARANCE:** GRAINY SEMISOLID PASTE

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

ODOR: SHARP pH: NEUTRAL PARTITION COEFFICENT (LOG POW): N/A SOLUBILITY IN WATER: Nil VAPOR PRESSURE, (kPa): <0.01 AUTOIGNITION

TEMPERATURE °F(°C): >680(360) BOILING POINT °F(°C): >700(371) EVAPORATION RATE, BUTYL ACETATE=1: <0.01 MELTING POINT: N/A PERCENT VOLATILE: NIL

SPECIFIC GRAVITY (H2O=1): VAPOR DENSITY (AIR=1): >5

#### **SECTION 8 REACTIVITY DATA**

GENERAL:	
CHEMICAL STABILITY:	CHE
	PHO
INCOMPATIBLE MATERIALS AND	POW
CONDITONS TO AVOID:	ORG
	DUD

HAZARDOUS DECOMPOSITION PRODUCTS: CHEMICAL STABLE UNDER NORMAL CONDITIONS. NO PHOTOREACTIVE AGENTS. POWERFUL SOURCES OF IGNITION. STRONG INORGANIC AND ORGANIC ACIDS AND OXIDIZING AGENTS. BURNING GENERATES SMOKE, AIRBORNE SOOT, HYDROCARBONS AND OXIDES OF CARBON. RESIDUE MAINLY COMPRISED OF SOOT AND METAL OXIDES AND MINERAL CARBIDES.

HAZARDOUS POLYMERIZATION:

#### **SECTION 9 REGULATORY INFORMATION**

DEPARTMENT OF TRANSPORTATION(DOT): NON-HAZARDOUS

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## 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:		S	UPERSEDES ISSUE DATE		

**ABBREVIATION:** 

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

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#### ADDENDUM

**Catalog Number** 

Description

DA3512F-251

Copper Two-Hole Lug-90°, Standard Barrel