广州施来德电器零件有限公司
Celestra

MATERIAL SAFETY DATA SHEET

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

Celestra CATALOG NUMBER: LUG
(SEE ADDENDUM)

REVISION: 00
DATA PREPARED: 20 Apr 2026

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 WT	OSHA PEL	ACGIH TLV	OTHER LIMITS OF EXPOSURE
COPPER	7440-50-8	96.44~98.61	1 mg/M^3	1 mg/M^3	STEL: 2 mg/M^3

SECTION 3 HEALTH INFORMATION & PROTECTION

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 ATELEVATED TEMPERATURES.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: GRAINY SEMISOLID PASTE

COLOR: COPPER

DENSITY(g/cm^3): 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: CHEMICAL STABLE UNDER NORMAL CONDITIONS. NO PHOTOREACTIVE AGENTS.

INCOMPATIBLE MATERIALS AND CONDITONS 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:

SECTION 9 REGULATORY INFORMATION

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

Catalog Number	Description
MC1816-232	Copper Two-Hole Lug-90°, Standard Barrel