

LTS Research Laboratories, Inc. Safety Data Sheet Copper silicon

	1. Product and Company Identification		
Trade Name:	Copper silicon		
Chemical Formula:	Cu-Si		
Recommended Use:	Scientific research and development		
Manufacturer/Supplier:	LTS Research Laboratories, Inc.		
Street:	37 Ramland Road		
City:	Orangeburg		
State:	New York		
Zip Code:	10962		
Country:	USA		
Tel #:	855-587-2436 / 855-lts-chem		
24-Hour Emergency Contact:	800-424-9300 (US & Canada)		
	+1-703-527-3887 (International)		
	2. Hazards Identification		
Signal Word:	Warning		
Hazard Statements:	H315 Causes skin irritation H319 Causes serious eye irritation		
	H335 May cause respiratory irritation		
Precautionary Statements:	P261 Avoid breathing dust/fume/vapor		
	P280 Wear protective clothing		
	P305+P351 If in eyes: Rinse cautiously with water for several minutes.		
	P304+P340: IF INHALED: Remove victim to fresh air and keep at res		
	in a position comfortable for breathing P405: Store locked up		
	P405: Store locked up P501: Dispose of contents/container in accordance with		
	local/regional/national/international regulations		
HMIS Health Ratings (0-4):			
Health:	2		
Flammability:	0		
Physical:	0		

	3. Composition
Chemical Family:	Alloy
Additional Names:	N/A
Copper (Cu):	
Percentage:	0-100 wt%
CAS #:	7440-50-8
EC #:	231-159-6
Silicon (Si):	0.100
Percentage:	0-100 wt%
CAS #: EC #:	7440-21-3 231-130-8
	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.
Ingestion:	Give one to two glasses of water and induce vomiting. Never induce
C	vomiting or give anything by mouth to an unconscious person.
Skin:	Wash affected area with mild soap and water. Remove any
	contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove
	contact lenses if present and easy to do. Continue rinsing
	5. Firefighting Measures Ch
	Non-flammable
Fatia anishin a Madia	Denotes for model form and CO and actional bins and
Extinguishing Media: Spec. Fire Fighting Procedure:	Do not use water for metal fires – use CO ₂ , sand, extinguishing powder Use full-face, self-contained breathing apparatus with full protective
spec. File Fighting Procedure:	clothing to prevent contact with skin and eyes. See section 10 for
	decomposition products.
	6. Accidental Release Measures
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in
-	special protection information. Isolate spill area and provide
	ventilation. Vacuum up spill using a high efficiency particulate
	absolute (HEPA) air filter and place in a closed container for disposal.
	Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.
	7. Handling and Storage
Handling Conditions:	Wash thoroughly after handling.
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from
Work (Incionia Maintena	materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
	eating and smoking. Do not blow dust off clothing or skin with
Ventilation:	compressed air. Provide sufficient ventilation to maintain concentration at or below

8. Exp	osure Controls and Personal Protection
Permissible Exposure Limits:	0.1 mg/m ³ as Cu fume, 1 mg/m ³ as Cu dust
Threshold Limit Value:	0.2 mg/m ³ as Cu fume, 1 mg/m ³ as Cu dust
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
Eye Protection:	Safety glasses or goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long
	sleeves/pants.
9. Pl	nysical and Chemical Characteristics
Color	Metallic grey
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor:	Odorless
Water Solubility:	Insoluble
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	N/A N/A
Molecular weight:	N/A N/A
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	None
Hazardous Decomposition Products:	Metal oxide fume
Trazardous Decomposition Products.	Wetar Oxide Tulle
	11. Toxicological Information
Potential Health Effects:	
Eyes:	May cause serious irritation
Skin:	May cause irritation
Ingestion:	May cause irritation
Inhalation:	May cause irritation
Chronic:	N/Å
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	N/A
Carcinogen:	N/A
	12. Ecological Information
Aquatic Toxicity:	Low
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumulative:	No
Notes:	N/A

Dispose of in accordance with local, state, national, and international regulations.

14. Transportation Data			
Hazardous:	Not hazardous for transportation		
Hazard Class:	N/A		
Packing Group:	N/A		
UN Number:	N/A		
Proper Shipping Name:	N/A		
	15. Regulatory Information		
Sec 302 Extremely Hazardous:	No		
Sec 304 Reportable Quantities:	N/A		
Sec 313 Toxic Chemicals:	Yes		
	16. Other Information		

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

07/21/2015

