

Metallized Carbon Corporation 19 South Water Street Ossining , NY 10562

Phone: (914) 941-3738

Safety Data Sheet

Se	ction 1: Identification			
Product Identity		Company Details		
Product Name: Product Descripti Carbon Graphi	METCAR Lead-Free Bronze Impregnated on: te Impregnated with Lead-Free Bronze	Metallized Carbon Corporation 19 South Water Street Ossining , NY 10562		
Relevant Uses Mechanical applications of carbon products		Phone: (914) 941-3738		
		Emergency Telephone Number (914) 941-3738		

Section 2: Hazards Identification

Warning: Respiratory and Skin Irritant Warning: May form Combustible Dust





Typically this product is sold in a pre-machined form to customer specification where there is little to no risk of particle inhalation by the end consumer. In the cases where blank stock is provided to the consumer, machining can release airborne particles that may be inhaled or cause mechanical irritation to the eyes and skin. Acute exposure is typically not a concern but repeated over exposure may lead to respiratory ailments such as Pneumoconiosis. These airborne particles also have the potential to combust if they exist in sufficient quantity.

Section 3: Composition/Information on Ingredients

ocouon o. composition/information on ingredients						
Component	C.A.S . #	Relative Concentration by Weight				
Natural Graphite	7782-42-5	0-90%				
Synthetic Graphite	7782-42-5	0-90%				
Carbon Coke	7440-44-0	0-90%				
Tin	7440-31-5	1-20%				
Copper	7440-50-8	10-40%				

^{*}Exact concentration percentage is withheld as a trade secret

Section 4: First Aid Measures

J	ection 4. Thist Aid Measures
General:	Treat symptomatically; typical hygienic practices are generally adequate.
Contact:	If dust from the product enters the eyes or irritates the skin flush with water.
Inhaled:	If inhaled seek fresh air and rest. Seek medical attention if irritation persists.
Ingested:	If ingested seek medical attention.



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Section	5:	Fire-	Fighting	Measures
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Extinguishing Media

Water, Sand, CO2 Etc.

Special Fire Fighting Procedures

Be aware of potential explosion hazard due to dust accumulation. Use self-contained breathing apparatus as normal.

Section 6: Accidental Release Measures

Steps to Be Taken in Case Material Is Released or Spilled

Normal housekeeping practice; sweep, shovel or vacuum clean up. Avoid creating and breathing dust.

Section 7: Handling and Storage

Precautions to Be Taken in Handling and Storing

Graphite is electrically conductive. Dust accumulations may cause electrical short circuits or other malfunctions.

Avoid storing near oxidizing agents and halogenated acids or in extreme heat to maintain stability.

Other Precautions

Provide adequate dust collection and/or ventilation during machining.

Section 8: Exposure Controls/Personal Protection

Hazardous Components (Specific Chemical Identity, Common Name(s))		OSHA PEL	ACGIH TVL	Other Limits Recommended	
Natural Graphite (C.A.S. #7782-42-5)		15mg/m ³ 2mg/m ³		N/A	
Synthetic Graphite (C.A.S. #7782-42-5)		15mg/m ³	2mg/m ³	N/A	
Carbon (C.A.S. #7440-44-0)		15mg/m ³	10mg/m ³	N/A	
Tin(C.A.S.#7440-31-5)		2mg/m ³	2mg/m ³	N/A	
Copper((C.A.S.#7440-50-8)	1mg/m ³	Img/m ³ 1mg/m ³ N/A		
lecessary R	Respiratory Protection: NIOSH/OSHA appro	ved respirato	or if TLV or PE	L is exceeded.	
entilation	Local Exhaust Dust collection when machining	Spec	ial N/A		
	Mechanical (General) N/A	Othe	r N/A		
Protective G		Othe Eye Protect	•		
		Eye Protect	ion	s are produced.	
es adequ	loves	Eye Protect Yes if airb	ion	s are produced.	



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Section 9: F	Physical and Che	emica	al Properties (Bronze)		
Boiling Point Decomposition Temp			Specific Gravity (H20 = 1)		Partition Coefficient	
4873°F	N/A		2.5		N/A	
Vapor Pressure (mm Hg) pH			Melting Point		Decomposition Temperature	
0 N/A		1832°F		N/A		
Vapor Density (AIR = 1)	Viscosity		Evaporation Rate (Butyl Acetate		Auto-ignition temperature	
Normally Solid N/A	N/A		= 1)		N/A	
,				olid		
Solubility in Water Insc	bluble					
Appearance and Odor						
Gray-Black Solid / No O	dor					
Flash Point			Flammable Limits	LEL	UEL	
Does not flash						
Does not liash			N/A	N/A	N/A	
Unusual Fire and Explosion H	azards					
Carbon dust is not norma	ally explosive but it m	ay we	akly contribute if t	he event is initia	ted by another explosive dust or	
gas.						
Section 10: Stability and Reactivity						
Stability	Unstable	uour	Conditions	to Avoid Extrer	ne Heat	
,			Conditions	Conditions to Avoid Extreme Fleat		
	^					
Incompatibility (Materials to Avoid)						
Strong oxidizers, oxidizing	g acids and halogen	ated a	cids.			
Hazardous Decomposition or						
Combustion produces CO and CO2						
Hazardous Polymerization	May Occur		Conditions t	to Avoid N/A		
	Will Not Occur X	I Not Occur X				



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Section 1	1: Loxicologia	cai information			
Route(s) of Entry:	Inhalation?	Yes as dust	Skin? No	Ingestion? Unlikely	
Health Hazards (Acute and Prolonged and repeate		o dust may lead to P	neumoconiosis.		
Dust particles may cau	ıse mechanical irri	tation to eyes and sk	in.		
Carcinogenicity:	NO.		NO	T NO	
Carcinogenicity.	NTP? NO	IARC Mon	ographs? NO OSHA	Regulated? NO	
Signs and Symptoms of Ex	posure				
As typical for nuisance	dust, acute effect	s are not expected.			
Medical Conditions	vneoure.				
Generally Aggravated by E		iratory impairment o	r with Sorum antitrynci	n deficiency may be at risk of	
-	-	-	i with Serum antitrypsi	r deficiency may be at risk of	
Pneumoconiosis if exp	osure is prolonge	d.			
		erial would pose a th		nt. The constituent materials are	
Section 13	3: Disposal Co	nsiderations			
Waste Disposal Method	. Disposar oc	insiderations			
Subject to local State a	and Federal Regul	ations for solid waste	e disposal. This produc	et should be disposed of in a	
chemical waste landfill. Recovery should be considered as an option.					
Section 14	l: Transport In	nformation			
This product is not reg					
Section 15	5: Regulatory	Information_			
All components of this			ventory	·	



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Section 16: Other Information

Acronyms:

C.A.S. # – Chemical Abstracts Service Registry Number

OSHA PEL - Occupational Safety and Health Administration Particle Exposure Limit

ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values

LEL/UEL - Lower/Upper Explosive Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

LC50 – Lethal Concentration to kill 50% of the population

LD50 - Lethal Dose at which 50% of the population is killed

US DOT - United States Department of Transportation

IATA - International Air Transport Association

IMO - International Maritime Organization

EPA TSCA: Environmental Protection Agency Toxic Substance Control Act

Disclaimer: The information presented in this SDS is provided based on the data available at this time. No warranty is implied through the materials provided and we assume no responsibility for its use. It is the user's responsibility to assure the proper use of this product.

Prepared on: May 25, 2016