

**ELECTRO**  
ABRASIVES



# SILICON CARBIDE

## MATERIAL SAFETY DATA SHEET

9/87 - Rev. 9/86  
ISSUE DATE

To the Purchaser: This MSDS contains important environmental safety and health information for your employees who will be using this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

MANUFACTURER'S NAME Electro Abrasives Corp.	PHONE NO.: (716) 822-2500
ADDRESS (Number, Street, City, State & Zip Code) 701 Willet Road, Buffalo, New York 14218	

### SECTION I

TRADE NAME Electrocarb	DOT CLASS/ID NUMBER NA
CHEMICAL & COMMON NAME(S) Silicon Carbide Grain	FORMULA SiC

### SECTION II

OSHA POTENTIAL HAZARDOUS INGREDIENTS COMPONENT	CAS #	% (Optional)	EXPOSURE LIMITS		
			ACGIH-TLV	OSHA PEL	(OTHER)
SiC	409-21-2	98	10mg/m <sup>3</sup>	15mg/m <sup>3</sup>	Total Dust
SiO <sub>2</sub>		0.5		0.1mg/m <sup>3</sup>	
ADDITIONAL INFORMATION:					

### SECTION III. PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	3.2
VAPOR PRESSURE (mm Hg)	NA	ACIDITY (pH)	NA
VAPOR DENSITY (AIR = 1)	NA	EVAPORATION RATE (BUTYL ACETATE = 1)	NA
SOLUBILITY IN WATER	Negligible	MELTING POINT (°F)	Sublimes at 4700°F
APPEARANCE & ODOR	Shiny, black, granular - odorless material		

### SECTION IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	NA	FLAMMABLE LIMITS	LEL	NA	DEL	NA
EXTINGUISHING MEDIA	Not flammable					
SPECIAL FIRE FIGHTING PROCEDURES	None required					
UNUSUAL FIRE & EXPLOSION HAZARDS (See Reactivity Section for other physical hazards)	None					

## SECTION V. REACTIVITY DATA

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID
	STABLE		None
INCOMPATIBILITY (Materials to Avoid)			None
HAZARDOUS DECOMPOSITION PRODUCTS			None
HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID
	WILL NOT OCCUR		None

## SECTION VI. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	Nasal
LISTED AS A CARCINOGEN? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain:	
SYMPTOMS AND EFFECTS OF OVEREXPOSURE	Lung irritation may be evidenced by shortness of breath. Prolonged exposure may lead to pulmonary problems.
EMERGENCY AND FIRST AID PROCEDURES	Remove from dusty area.

## SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Uncontaminated material may be scooped up for use. If contaminated scoop or vacuum into a receptacle for disposal.
WASTE DISPOSAL METHOD	Use a sanitary landfill in accordance with local, state and federal regulations.

## SECTION VIII. RECOMMENDED CONTROL MEASURES

RESPIRATORY PROTECTION	U.S. Bureau of Mines approved for dusts and pneumoconiosis.		
VENTILATION	LOCAL EXHAUST	Normal dust collector	SPECIAL
	MECHANICAL (General)	NA	NA
PROTECTIVE GLOVES	NA	EYE PROTECTION	Goggles
OTHER PROTECTIVE EQUIPMENT	NA		
SPECIAL PROTECTIVE MEASURES FOR REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT	NA		

## SECTION IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING (including appropriate hygienic practices)	NA
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