

# MATERIAL SAFETY DATA SHEET

4/93  
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	VESUVIUS NEOMELT Plant	PHONE NO:	(716) 825-7900
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## SECTION I

TRADE NAME	TERCOD	DOT CLASS/ID NUMBER	NA
CHEMICAL & COMMON NAME(S) Carbon-bonded SiC Refractory		FORMULA C+SiC+Al <sub>2</sub> O <sub>3</sub> +Si+glass	

## SECTION II

OSHA POTENTIAL HAZARDOUS INGREDIENT(S)	CAS#	%	EXPOSURE LIMITS		
			ACGIH-TLV	OSHA PEL	Other
Sic	409-21-2	42-55	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	Total Dust
Graphite	7782-42-5	26-35	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Total Dust
Al <sub>2</sub> O <sub>3</sub>	1344-28-1	4-5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	Total Dust
Silicon	7440-21-3	4	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	Total Dust
SiO <sub>2</sub>	14808-60-7	0-10	0.1 mg/m <sup>3</sup>	0.15 mg/m <sup>3</sup>	Respirable Dust
Borosilicate glass	NF	4-5	NF	NF	
C (coke)	NF	10-11	NF	NF	

ADDITIONAL INFORMATION This product meets the definition of an article under Sect. 1910.1200 and no exposure will occur with normal use.

## SECTION III PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	2.5 - 2.6
VAPOR PRESSURE (mm Hg)	NA	VOLATILES BY VOLUME (%)	NA
VAPOR DENSITY (AIR = 1)	NA	EVAPORATION RATE (BUTYL ACETATE=1)	NA
SOLUBILITY IN WATER	Negligible	MELTING POINT (°F)	NA
APPEARANCE & ODOR	Black Granular Solid - No Odor		

## SECTION IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	NA	FLAMMABLE LIMITS	LEL NA	UEL NA
EXTINGUISHING MEDIA	Not Flammable			
SPECIAL FIRE FIGHTING PROCEDURES	NONE REQUIRED			
UNUSUAL FIRE & EXPLOSION HAZARDS (See Reactivity Section for other physical hazards)	NONE			

NA = NOT APPLICABLE NF = NOT FOUND

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

## SECTION VI HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY
LISTED AS A CARCINOGEN? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain:
<p>SYMPTOMS AND EFFECTS OF OVEREXPOSURE</p> <p>If this product is cut or ground, nuisance dust so created may cause irritation of respiratory system. Prolonged exposure may cause pulmonary problems. Respirable crystalline silica may cause delayed lung injury (silicosis).</p>
EMERGENCY AND FIRST AID PROCEDURES
NA

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
COLLECT & SWEEP UP
WASTE DISPOSAL METHOD
Use a sanitary landfill in accordance with local, state and federal regulations.

## SECTION VIII RECOMMENDED CONTROL MEASURES

RESPIRATORY PROTECTION		
If cutting or grinding articles, use a NIOSH approved respirator.		
VENTILATION	LOCAL EXHAUST	NA
	MECHANICAL (General)	NA
SPECIAL		NA
PROTECTIVE GLOVES	Recommended, not necessary	EYE PROTECTION
		Use goggles if cutting, etc.
OTHER PROTECTIVE EQUIPMENT		
NONE		
SPECIAL PROTECTIVE MEASURES FOR REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT		
NONE		

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING (including appropriate hygienic practices)
NONE

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