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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION SiC	PRODUCT NAME Silicon Carbide, Carbon Silicide, Carorundum, Silundum
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Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
Silicon Carbide	409-21-2	100	10mg/m³	10mg/m³

Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPERANCE AND ODOR Black powder, no odor
MELTING POINT (BASE METAL) Decomposes at 2210° C	SPECIFIC GRAVITY 3.22gm/cc

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits Non-Flammable	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Agents for metal fires such as graphite, sand & MET-L-X			
SPECIAL FIRED FIGHTING PROCEDURES Wear a self contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Under conditions of extremely high temperatures, powder under 40 microns may pose a fire hazard.			

Section 5- REACTIVITY DATA

STABILITY Stable	INCOMPATABILITY (MATERIALS TO AVOID) None Found
CONDITIONS TO AVOID Extremely high temperatures	
HAZARDOUS DECOMPOISTION PRODUCTS None	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation **Skin** **Skin Absorption** **Eye Contact** **Ingestion**

INHALATION: Mild respiratory irritant. Chronic exposure may cause pneumoconiosis (lung fibrosis plus inflammation), chest pain, difficulty breathing and coughing.

DERMAL/EYE CONTACT: Mechanical irritation only.

OTHER: Silicon Carbide is considered a toxicologically inert nuisance dust.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove from exposed area to fresh

INGESTION: Give 1-2 glasses of milk or water and induce vomiting.

SKIN CONTACT: Brush materials off skin and wash affected area with soap or mild detergent.

EYE CONTACT: Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes. If irritation develops, contact a physician.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Wear a self contained breathing apparatus and full protective clothing. Isolate the area where the spill occurred and insure that proper ventilation is available. Vacuum up the spill using a high efficiency unit and place in container for proper disposal. Take care not to raise dust.

WASTE DISPOSAL METHODS

Dispose of in accordance with applicable federal, state and local regulations.

Section 8- SPECIAL PROTECTION

RESPIRATORY

Wear NIOSH approved dust-mist-fume cartridge respirator.

VENTILATION

Maintain exposure below TLV. General mechanical recommended.

EYE PROTECTION & PROTECTIVE CLOTHING

Safety glasses, neoprene protective gloves and protective clothing are recommended.

Section 9- SPECIAL PRECAUTIONS

Store in a tightly closed container (cool dry place). Wash hands and face thoroughly after handling and before eating or smoking.

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