

MATERIAL SAFETY DATA SHEET



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JANUARY 2008

SECTION I – MATERIAL IDENTIFICATION

Trade/Material Name: Silicon Carbide Powder and Grinding Papers

SECTION II – COMPOSITION/INFORMATION ON INGREDIENT

CHEMICAL	APPRX %	CAS #	COMMON NAME	REG* (Y/N)	P.E.L (mg/m ³)	TLV (mg/m ³)	CARCIN (Y/N)
SiC	99+	409-21-2	Silicon carbide powder	N	15 total dust	10 total dust	N

*Materials are regulated by OSHA 29 CFR 1910.1200.

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are nonhazardous.

SECTION 3. PHYSICAL AND CHEMICAL DATA

BOILING POINT:	4262° F (2350° C)
MELTING POINT: I	N/A
SPECIFIC GRAVITY (H ₂ O = 1) I	3.2
% VOLATILES BY VOLUME	N/A
APPEARANCE AND ODOR	Black crystalline, no odor
SOLUBILITY IN WATER (% BY VOLUME)	N/A
SOLUBILITY IN OTHER SOLVENTS EVAPORATION RATE	None N/A
VAPOR PRESSURE	N/A
VAPOR DENSITY	N/A



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SECTION 4. FIRE AND EXPLOSION HAZARDS

FLASH POINT (TEST METHODS): Not applicable
FLAMMABILITY LIMITS IN AIR, % BY VOLUME: LEL: N/A
EXTINGUISHING MEDIA: Not applicable
SPECIAL FIRE FIGHTING PROCEDURES: Not applicable. Use NIOSH/MSHA approved SCBA and full protective equipment
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Submicron materials can ignite.

SECTION 5. HEALTH, FIRST AID AND MEDICAL DATA

Nature of Hazard

EYES: Mechanical irritant. Contact may cause tearing and redness.
SKIN CONTACT: Mechanical irritant. Prolonged contact may cause skin abrasion.
INHALATION: Dust or vapors may be slightly irritating to respiratory tract. Prolonged inhalation may be harmful.
INGESTION: May cause nausea and vomiting.
OTHER POTENTIAL HEALTH NAIF RISKS:

First Aid

EYES: Irrigate with large amounts of water; obtain medical assistance, if needed.
SKIN: Wash with soap and water; obtain medical assistance, if needed.

inhalation:

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 6. CORROSIVITY AND REACTIVITY DATA

STABILITY: Product is stable.
INCOMPATIBILITY (CONDITIONS TO AVOID): Inert
DECOMPOSITION PRODUCTS: Inert
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Inert



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SECTION 7. HANDLING AND STORAGE

NORMAL STORAGE AND HANDLING: Handle with adequate ventilation for nuisance dust. See OSHA 29CFR1910-94 (Ventilation) and 29CFR1910-1000 (Air Contamination)

NORMAL USE: Same as above

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal cleanup procedures. Respirators may be required.

WASTE DISPOSAL METHOD: Standard landfill methods consistent with applicable Federal, State and local law.

SECTION 8. PERSONAL PROTECTION

RESPIRATORY PROTECTION: As needed, approved dust respirator. See OSHA 29CFR1910-134

VENTILATION: Local: Recommended
Mechanical (General): Recommended Other: NAIF

PROTECTIVE GLOVES: As desired by user.

EYE PROTECTION: Recommended. See OSHA 29CFR1910.133

OTHER PROTECTIVE EQUIPMENT: NAIF

MEASURES TO BE TAKEN DURING MAINTENANCE OF CONTAMINATED EQUIPMENT See Section VII and VIII **REPAIR AND**

SECTION 9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN OTHER PRECAUTIONS: None **HANDLING:**
NAIF