



Distributed by:
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MATERIAL SAFETY DATA SHEET

Section 1. : Name and Product

Trade Name, Common Name or Specification : N/M			
Chemical Family or Product Type :		Black Silicon Carbide	
Flammability Rating <input checked="" type="checkbox"/>	Health Rating <input checked="" type="checkbox"/>	Reactivity Rating <input checked="" type="checkbox"/>	Hazard Rating II
Please rate consistent with NFPA code			
Emergency Telephone No. : (626)912-8866			
Contact : American Abrasive Products, Inc.			
Last Update: January, 2006			

Section 2. : Composition

Chemical Name	Typical %	Common Name	CAS #	OSHA Permissible Exposure Limit (per cubic meter)	ACGIH TLV (per cubic meter)	Listed as Carcinogen *** (Y/N)
Sic	97-99	Silicon Carbide	409-21-2	15 mg/m ³ **	10 mg/m ³	N

Impurities (SiO₂ + Si + C + Fe + Al) each less than 1%, total less than 3%. Silica value shown is chemically combined, not free silica. It is in the form of a glassy slag within the grains of silicon carbide.

PEL & TLV for SiO₂ = (10 mg / m³) / (% Respirable SiO₂+2)

* Materials are regulated by OSHA 29 CFR 1910, 1200 Hazard Communication Standard.

** Respirable fraction 5 mg / m³.

*** Listed as Carcinogen by:

- American Conference of Government Industrial Hygienists (ACGIH)
- International Agency for Research on Cancer Monographs (IARC)
- Nation Toxicology Program (NTP)
- California Proposition 65 List (1988)

Section 3. : Physical and Chemical Data

Boiling Point (°C) : NA	Melting Point (°C) : dissociates at 2800	Specific Gravity (H ₂ O = 1): 3.20
Vapor Pressure (mmHg): Essentially 0	Percent Volatiles by Volume (%): NA	Vapor Density (Air = 1): NA
Evaporation Rate (Butyl Acetate=1): NA	Solubility in Water : Insoluble	Solubility in Alcohol : Insoluble
Solvent Content & Organic Solvents: 0.0%		Appearance and Odor : Granular Black or Green, Odorless
Solids Content: 100%		

Section 4. : Fire and Explosion Data

Flash Point : Nonflammable (Method Used) NA	Flammable Limits		
Extinguishing Media: NA	UEL: NA	LEL: NA	NA
Special fire fighting Procedures : NA			
Unusual Fire and Explosion Hazard Potential : NA			

NA = Not Applicable

NF = Not Found



Section 5. : Health, First Aid and Medical Data

Primary Routes of Entry	Potential Health Effects of Overexposure (Threshold Limit Value & Carcinogenicity See Section 2)	First Aid and Medical Information
Inhalation	Dust may cause coughing or shortness of breath. Repeated or prolonged inhalation of dust in excess of permissible exposure limits may result in irritation to the respiratory tract.	If inhaled, immediately remove to fresh air.
Ingestion	Relatively Non-toxic. No known adverse effects, but ingestion not recommended. If ingestion of large quantities may result in gastrointestinal irritation and eventually interference with phosphate absorption which results in rickets.	If not breathing, apply artificial respiration as needed. If breathing is difficult, give oxygen. Obtain first aid or medical assistance, if needed.
Skin	Material as supplied is not hazardous by skin contact, not absorbed through the skin, but exposure not anticipated. Abrasive action may cause cuts and abrasions.	Wash with large amounts of water. Obtain first aid or medical assistance, if needed.
Eye	Dusts may cause minor irritation. When used for abrasive blasting rebound abrasive may cause mechanical injury to the eye.	In case of contact, flush with large amounts of water. Eyelids should be held away from the eyeball to insure thorough rinsing. Obtain first aid or medical attention, if needed.
Chronic	Chronic: Repeated or prolonged inhalation of dust in excess of the PEL or TLV permissible exposure limits may result in irritation to the respiratory tract. Physical: Noise is a major hazard in Abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge.	If inhaled, immediately remove to fresh air. If not breathing, apply artificial respiration as needed. If breathing is difficult, give oxygen. Obtain first aid or medical assistance, if needed.
Signs and Symptoms of Exposure	Scratching or physical damage to the eyes can cause irritation, redness, pain, tear formation, blurred vision, and light sensitivity.	In case of contact, flush with large amounts of water. Eyelids should be held away from the eyeball to insure thorough rinsing. Obtain first aid or medical attention, if needed.
Medical Conditions Aggravated by Exposure	Repeated inhalation of dusts over time may aggravate Pre-existing respiratory disease.	If inhaled, immediately remove to fresh air. If not breathing, apply artificial respiration as needed. If breathing is difficult, give oxygen. Obtain first aid or medical assistance, if needed.
Carcinogenicity:	NTP: Not listed	IARC: Not listed OSHA: Not listed

Section 6. : Corrosively and Reactivity Data

Stability: Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/> Hazardous Polymerization: May Occur <input type="checkbox"/> Will not Occur <input checked="" type="checkbox"/>
Incompatibility (Materials to Avoid): None
Dangerous Products of Decomposition : No dangerous decomposition products know.
Dangerous Reactions : No dangerous reactions know.
Thermal Decomposition / Conditions to be Avoided: No decomposition if used according to specifications.
Toxicological Information: Not Available
Ecological Information: Material as supplied, It does not contain ozone depleting substances and is not expected to exert an ecotoxic effects or bioconcentrate in the food chain. Generally not hazardous for water.

Section 7. : Storage, Handling and Use Procedures

Storage: Keep material dry. Normal storage, no special requirements.
Handling: Maintain normal housekeeping procedures for nuisance dust, See OSHA 29 CFR 1910.94 (Ventilation) and CFR 1910.1000 (Air Contaminants). Do not use compressed air or dry sweeping to remove dust from work area, only wet clean-up or vacuum-clean methods should be used to pick up dust. Avoid breathing dust, wear NIOSH approved dust respirator where dust occurs, used appropriate personal protective equipment (See Section 8). Wash thoroughly after use and handling.
Steps To Be Taken In Case of Leaks or Spills: Isolate hazard area and deny entry to unauthorized or unprotected personnel. Do not walk through spilled material. Normal cleanup procedures. Vacuum spilled material and place in suitable container for later recycle or disposal. Avoid generating dust. Wear protective equipment. See Section 8.
Waste Disposal Method: Before use, Silicon Carbide is not classified as a special waste. During use, however the product can become contaminated with paints or other materials that would require classification of the waste material as a special waste. It is the responsibility of the user to undertake any necessary evaluation, classification and disposal of the material after use.
Recommendation: Collect in containers, bags, or covered dumpster boxes. Disposal must be in accordance with applicable Federal, State and Local Laws and regulations (40 CFR 261 or State equivalent in the U.S.).



Section 8. : Personal Protection Information

Engineering Control: Recommended. Provide sufficient mechanical (general and / or local exhaust) ventilation to keep employee exposure below TLV or PEL recommended limits. If using this products as an abrasive blast agent in confined areas, airborne dust levels should be controlled by physical enclosure of the abrasive blasting operation. The enclosure should be exhaust ventilated in accordance with OSHA (29 CFR 1910.94) Ventilation (a) Abrasive Blasting.
Respiratory Protection: Recommended. If airborne exposure limits are exceeded, use NIOSH/MSHA approved respirators. Observe OSHA Regulations: for abrasive blasting see (29 CFR 1910.94), for respirator see (29 CFR 1910.134).
Skin / Hand Protection: Wear impervious clothing, such as gloves, aprons, boots or whole bodysuit, as appropriate.
Eye / Face Protection: Use safety glasses with full side shields or goggles recommended. See OSHA 29 CFR 1910. 122. Do not wear contact lenses while working with this substance.
Other: Measures to be taken during repair and maintenance of equipment that has been in contact with this material. See Section 7 and 8.

Section 9. : Special Precautions / Regulatory Information

Emergency Planning and Community Right-to Know Act (SARA, Title III):

Section 302 Extremely Hazardous Substance: None

CERCLA, Section 304: This product does not contain ingredients subject to state and local reporting under Section 304 of SARA Title III as listed in 40 CFR Part 302, Table 302.4

Section 311/312(SARA Hazard Category): This product has been reviewed according to the EPA Hazard Categories promulgated Sections 311 and 312 of SARA Title III and by definition, does not meet the requirements of any category.

Section 313 Toxic Chemical: None

TSCA: The chemical components of this product are registered under the Toxic Substance Control Act (Title 40 CFR Part 710).

California Proposition 65: Quartz (Silica, Crystalline) is known to the State of California to cause cancer.

Other Information:

- In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.
- This material is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
- This material generally not hazardous for water.
- U.S. Department of Transportation (DOT): not regulated as hazardous material.

Note:

1. The information and recommendations set forth are taken from sources believed to be accurate. Any modifications of product use or method of application is the responsibility of the user. However, Laguna Clay Company makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof. Customers are encouraged to conduct their own tests.
2. 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.

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