



MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

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|-----------------------------------------------------------|--------------------------------------------------|
| Date | March 21, 2006 |
| Manufacturers Name | Advanced Ceramics Manufacturing |
| Address | 7800A South Nogales Highway • Tucson, AZ 85706 |
| Hazard Ratings | Health — 1 Flammability — 0 Reactivity — 0 |
| Product Name | AQUACORE™ |
| Formula | Not available |
| Synonyms | None |
| Chemical Name | Refer to Section 2 |
| Product Information Telephone Number: 520.547-0850 | |
| Hazardous Materials Support Center: 800.554.9964 | |
| Chemtrec (Spill Related Emergencies): 800.424.9300 | |

SECTION 2 — INGREDIENTS

Notes Aquacore™ has no known hazardous properties. The formula is proprietary information and is the property of Advanced Ceramics Manufacturing.

SECTION 3 — PHYSICAL DATA

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|------------------------------|---------------------------------------------------------------|
| Boiling Point | N/A |
| Specific Gravity | (H ₂ O = 1): 0.54 [at 250 psi/1.72 MPa Compaction] |
| Vapor Density | N/A |
| Appearance & Odor | White solid with no detectable odor. |
| % Volatiles by Weight | N/A |

SECTION 4 — FIRE AND EXPLOSIVE DATA

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|--------------------------------------------|----------------|
| Flash Point | Noncombustible |
| Special Fire Fighting Procedures | N/A |
| Stability | Stable |
| Conditions to Avoid | None Known |
| Autoignition Temperature | N/A |
| Unusual Fire & Explosion Hazard | N/A |

SECTION 5 — HEALTH HAZARD INFORMATION

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|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Eye Contact | Direct contact may cause irritation. |
| Skin Contact | Direct contact may cause irritation. |
| Inhalation | When machining in the cured state, repeated exposure to dust may cause delayed lung injury. |
| Ingestion | No known hazard. |
| Signs & Symptoms of Exposure to Airborne Dust | May result in cough, dyspnea, wheezing, or impaired pulmonary functions. |
| Medical Conditions Aggravated by Exposure | N/A |
| Routes of Exposure | N/A |

Effects of Overexposure N/A

FIRST AID PROCEDURES

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|--------------------------------------------------|------------------------------------------------------------------------------|
| Eyes | Flush eyes with running water for 15 minutes — lift upper and lower eyelids. |
| Skin | Wash skin thoroughly with mild soap and water. |
| Inhalation | Remove to fresh air. |
| Ingestion | No known hazard. |
| Medical Conditions Aggravated by Exposure | N/A |
| Carcinogenic Assessment | No components used in this formulation are listed as carcinogenic. |

SECTION 6 — REACTIVITY DATA

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|-----------------------------------------|-----------------------------------------------------------------------------------------|
| Hazardous Decomposition Products | None are to be anticipated under normal or recommended handling and storage conditions. |
| Hazardous Polymerization | None are to be anticipated under normal or recommended handling and storage conditions. |
| Conditions to Avoid | None known. |
| Stability | Stable under normal conditions. |
| Chemical Incompatibility | None known. |

SECTION 7 — PRECAUTIONS FOR SAFE HANDLING AND USE

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|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Steps to be Taken if Material is Spilled or Released | Shovel or scoop into container for use, if possible, or disposal. Not a listed toxic chemical under SARA Title III, 302, 304 or 313. |
| Waste Disposal Method | Not an RCRA Hazardous waste. Dispose of in accordance with applicable federal, state and local regulations. |
| Precautions to be taken in Handling and Storing | Keep container closed to avoid dry out. |
| Ventilation Requirements | Maintain positive ventilation. |

SECTION 8 — SPECIAL PROTECTION INFORMATION

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| Respiratory Protection | Use of a Class M respirator where dust is generated is recommended. |
| Eye Protection | Chemical resistant safety glasses or goggles as a minimum. |
| Skin Protection | Rubber gloves should be worn to prevent excessive or repeated skin contact. |
| Other Clothing & Equipment | Work clothing or coveralls to minimize skin contact. |
| Work/Hygiene Practices | Avoid creating dust. |
| Ventilation | Maintain positive ventilation. |

SECTION 9 — TRANSPORT INFORMATION

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| U.S.A. DOT | Not regulated. |
| General | Non-hazardous; non-restricted. |

SECTION 10 — SPECIAL PRECAUTIONS

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| TSCA Listing | All ingredients are on the TSCA inventory, or exempt. |
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