



CRYSTAL MARK, INC.

A Swan Technologies Corporation

MATERIAL SAFETY DATA SHEET

Flammability: 0	Health: 0
Reactivity: 0	Hazard: 0
Rating consistent with NFPA code.	

SECTION I - PRODUCT IDENTIFICATION

Trade Name:	#38 Micro-graded Black Silicon Carbide	Date Prepared:	October 24, 2012
Manufacturer's Name:	CRYSTAL MARK, INC. 613 Justin Avenue Glendale, CA 91201 USA	Phone Number:	(818) 240-7520
		FAX:	(818) 247-3574

SECTION II – INGREDIENTS

Chemical Names:	Silicon Carbide (SiC) @ 98. +%
CAS Numbers:	409-21-2

SECTION III - PHYSICAL DATA

Boiling Point: N/A	Melting Point: 2350°C	Specific Gravity: 3.2
Vapor Pressure: N/A	Vapor Density: N/A	Evaporation Rate (Butyl Acetate=1): N/A
Solubility in Water: N/A	Solubility in Alcohol: Insoluble	
Appearance and Odor: Black Crystalline, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A	Auto Ignition Temperature: N/A
Flammable Limits: LEL: N/A UEL: N/A	
Extinguishing Media: Water Spray, N/A; Carbon Dioxide, N/A; Foam, N/A; Dry Chemical, N/A	
Special Firefighting Procedures: None	
Unusual Fire and Explosion Hazards: Sub micron materials can ignite.	

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure [*Conditions to Avoid*]:

Inhaled - May cause coughing, shortness of breath.

Exposure Limits in Air;

ACGIH, TLV: 10 mg/m³ OSHA, PEL: 15 mg/m³

Contact with Skin and Eyes - May irritate eyes

Absorbed through Skin - Not absorbed, may cause abrasion.

Swallowed - No known adverse effects, ingestion not recommended.

Health Effects or Risk from Exposure:

Acute - May cause shortness of breath.

Chronic - May affect breathing capacity.

Emergency and First Aid Procedures:

Eye Contact - Wash with large amount of water, obtain first aid if needed.

Skin Contact - Obtain first aid if needed.

Inhaled - Remove to fresh air, apply artificial respirator if needed. Obtain medical assistance.

Swallowed - Obtain first aid if needed.

Suspected Cancer Agent: No

SECTION VI - REACTIVITY DATA

Stability: STABLE

Conditions to avoid: N/A

Incompatibility (materials to avoid): N/A

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: N/A

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Normal clean up procedures, respirators may be required.

Waste Disposal Method: Disposal must be made in accordance to Federal, State and Local Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: As needed, approved dust respirator, see OSHA 29CFR1910.134 or NIOSH certified mask.

Ventilation: Handle with adequate ventilation for nuisance dust.

Protective Gloves: As desired

Eye Protection: Recommended, see OSHA 29CFR1910.133

Other Protective Equipment: NAIF

Protective Measures During Maintenance of Contaminated Equipment: See sections VII and VIII

SECTION IX - TRANSPORTATION REGULATORY REQUIREMENTS

Not regulated by D.O.T.

NAIF = No applicable information found N/A = Not Applicable

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