

**MATERIAL SAFETY DATA SHEET
(MSDS)
Microgrit SIC (Silicon Carbide)**

New/Revision: Revision

Date Issued: June 1999

1. Identification of the Substance/Preparation and Company/Undertaking

Substance or preparation trade name (repeat at foot of each page): Microgrit SIC

Chemical Family: Inert Oxide SiC

Unique reference number(s): Company/undertaking name, address and normal telephone number:

Micro Abrasives Corporation Tel: (413) 562-3641

720 Southampton Road

P.O. Box 669 Fax: (413) 562-7409

Westfield, MA 01085

Emergency telephone no: (800) 426-6046

2. Composition /Information on Ingredients

Substance name: Silicon Carbide CAS # 409-21-2

3. Hazards Identification

The most important hazards are:

No unusual fire or spill hazard. Green to black in color, no odor, crystalline powder.

Inhalation: Pulmonary effects of inert dust. Low health risk by inhalation. Treat as a nuisance dust, as specified by the American Conference of Governmental Industrial Hygienists.

Eyes: Dust may irritate eyes. Treat as a nuisance dust.

Skin: Dust may cause skin abrasions. May irritate broken skin. Treat as a nuisance dust.

Ingestion: May irritate digestive tract.

HMIS

Health-----1

Flammability----- 0

Reactivity----- 0

Personal Protection----- X

4. First Aid Measures

Summary of first aid is as follows: (ACGIH)

Inhalation: Move to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.

Skin contact: Remove contaminated clothing and flush with water.

Eye contact: Flush eyes with plenty of water for at least 15 minutes. Remove contaminated clothing and flush with water. Consult a physician if irritation persists.

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Ingestion: If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult a physician immediately.

5. Fire-Fighting Measures

Suitable extinguishing media: Use extinguishing agent applicable to surrounding fire.

Flash Point: None

Flammable Limits: None

Auto-Ignition Temperature: N/A

Hazardous Combustion products: None

Required special protective equipment for fire fighters: Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

6. Accidental Release Measures

Methods for cleaning: Small/Large Spill - Clean up using dry procedures, avoid dusting.

Where appropriate, refer to information under headings "Exposure Controls and "Disposal Considerations."

7. Handling and Storage

Handling: Avoid inhalation, ingestion, eye and skin contact.

Storage: Keep material dry.

8. Exposure Controls

Material	CAS number	OSHA PEL	ACGIH TLV	%(Optional)
SiC Dust	409-21-2	15gm/m ³	10mg/m ³	96-99%

Respiratory protection: NIOSH approved dust respirator where exposure limit is or may be exceeded. See OSHA 29CFR1910.134

Skin protection: None

Eye protection: Safety glasses recommended. See OSHA 29CFR1910.133

9. Physical and Chemical Properties

Appearance: Crystalline green to black powder
Odor: none
pH: not determined
Boiling point/boiling point range: N/A
Melting point/melting point range: N/A
Flashpoint (°C) show closed or open cup: None
Flammability (gas/solid): non-flammable
Autoflammability: N/A
Explosive properties: N/A
Vapor pressure: N/A
Relative density: Loose bulk 48-63 lb/ft³ (0077-1.0gm/cm³)
Solubility: very slightly soluble in acids and alkalis
Solubility (water and fat): insoluble in organic solvents
Specific Gravity: 3.2
Evaporation Rate (Butyl Acetate -1): N/A

10. Stability and Reactivity

Conditions to avoid: None
Incompatibility: None
Hazardous decomposition products: None
Hazardous Polymerization: None

11. Toxicological Information

Concise description of toxicological properties follows, including any special health effects of constituents: No LD₅₀ or LC₅₀ found for oral, dermal, or inhalation routes of administration.

12. Ecological Information

Ecotoxicological/chemical fate information: N/A

Note: for preparations, indicate data relevant to constituent substances classified as dangerous for the environment.

13. Disposal Considerations

Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at a sanitary landfill.

RCRA Status: not regulated

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14. Transport Information

Special carriage precautions in carriage (on-site or externally): N/A

Classification data: SEE TRANSPORT SUMMARY SHEET FOR PRODUCT PACKAGES ATTACHED (attach relevant transportation summary Record(s)).

U.S.A. DOT: Not regulated. Enter the proper freight classification on the shipping paperwork. "MSDS Number" and product name for shipping purposes.

Canadian TDG Hazard Class of PIN: not regulated.

15. Regulatory Information

Supply label information: (see appropriate part of labeling decision record)

TSCA status components of this product are listed in the TSCA inventory Cercla Reportable Quantity: None

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

International Regulations Canadian Domestic Substances List: component of this product is listed on the Canadian DSL.

European Community: Component of this product is listed on ECHOIN, the European Core Inventory (EC) market.

Note: Actual label may not be as above if product was supplied some time previously or labeling is in transaction period.

Applicable EU provisions and associated UK legislation:

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

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16. Other Information

Further information sources: References - American Industrial Hygiene Association (AIHA) Hygienic Guide Series, June 1978 Edition. U.S. Dept. of Health and Human

Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Edition.
Sax, N. Irving: Dangerous Properties of Industrial Materials, Van Nostrand Reinhold
Co., Inc., 1984.

American Conference of Governmental Industrial Hygienists, Inc. (ACGIH),
Documentation of the Threshold Limit Values and biological Exposures Indices, Sixth
Edition, 1992.

The data contained in this Safety Data Sheet has been supplied as required by the
Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the
purpose of protecting the health and safety of industrial and commercial users who are
deemed capable of understanding and acting on the information provided. Please ensure
that it is passed to the appropriate person(s) in your company, who are capable of acting
on the information.