WASHINGTON MILLS ELECTRO MINERALS





MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

Product Name:

Silcaride Type P D/C Fines,

Silcaride No. 5 RF Grit Fractions, Silcaride No. 5 RF Fines

Chemical Name:

SILICON CARBIDE

Company Name:

Washington Mills Electro Minerals

Corp.

1801 Buffalo Ave.

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(716) 278-6600 Fax (716) 278-6654

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Composition/Information on Ingredients 2.0

		OSHA Exposure	ACGIH Rec.	Percent By
Component	CAS No.	Limits (PEL)	Limits (TLV)	Weight
Silicon Carbide	409-21-2	15 mg/m ³	10 mg/m²	90
Silicon Dioxide	7631-86-9	80mg/m³ % SiO ₂	30mg/m ³ % quartz + 3	4-5
Free Carbon	7440-44-0	NA	NA	3
Free Silicon	7440-21-3	15 mg/m³	10 mg/m ³	0.5 - 1
iron	7439-89-6	NA	NA .	0.5 - 1
Crystalline Silica **	NA han 1%)	* See Below	0.05mg/m ³	1-4

OSHA PEL for crystalline silica is calculated as:

(Total dust) PEL = 30 mg/m² %quartz + 2(%cristobafile) + 2(% tridymile) +2

** International Agency for Research on Cancer (IARC) - IARC human

carcinogen.

Hazard Identification/ Potential Health Effects 3.0

Eye:

May irritate eyes.

Skin:

Not absorbed through the skin. May cause

ingestion:

(Impurities total less than 1%)

Inhalation:

No known adverse effects, but ingestion not recommended.

May cause coughing or shortness of breath.

MSDS 001 REVISION DATE 9/00 Chronic Effects:

Prolonged exposure to

crystalline silica can cause lung scarring which may lead to a progressive massive fibrosis and chronic lung injury (silicosis). Silicon Carbide may alter the course of inhalation tuberculosis leading to extensive

fibrosis and progressive disease.

Carcinogenicity: IARC labels crystalline silica as a 1A (Probable human) Carcinogen.

4.0 First Aid Measures

Eyes:

Wash with large amounts of water. Get

medical attention, if needed.

Skin:

Wash with water. Obtain first aid or medical assistance if needed.

Ingestion: Inhalation: If swallowed, seek medical attention. Remove to fresh air, apply artificial respiration SHIGH CARRIE

as needed. Get medical attention if needed

Fire Fighting Measure 5.0

Flammable Properties: Non-flammable

Fire/Explosion Potential: None Flash Point: None

Upper and Lower Flammable Limits: None

Autoignition Temperature: None Special Fire Fighting Procedures: None

Accidental Release Measures 6.0

Personal Precautions: Wear protective equipment. See Section 8.

Cleanup Measures: Normal cleanup procedures. Avoid generating dust. Dispose according to standard landfill methods consistent with applicable Federal, State and Local laws.

7.0 Handling and Storage

Normal Storage: General storage, ambient air temperature

Handling: Avoid generating dust. Handle with adequate ventilation for dust. See OSHA 29 CFR 1910-94 (Ventilation).

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Exposure Controls, Personal Protection

Engineering Control: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELS or TLVs.

Respiratory Protection: Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators. Skin and Hand Protection: Gloves as desired by user. Eye and Face Protection: Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.

15.0 Regulatory Information

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

9.0 Physical and Chemical Properties

Appearance: Granular Black or Green pH: N/A Odor: Odorless

Bolling Point: Sublimes Flash Point: None

Melting Point: Sublimes **Explosive Properties:**

Oxidizing Properties: None Vapor Density: N/A

Vapor Pressure: N/A Specific Gravity: 3.2

Water Solublity: Insoluble

Solubility in other solvent: Furning KOH, Insoluble in most

acids

Prepared By: Margaret A. O'Brien, Manager, Environmental, Health & Safety

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Washington Mills Electro Minerals Corporation 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.

10.0 Stability and Reactivity

Chemical Stability: Stable Polymerization: Will not occur Incompatibility: None Conditions to Avoid: N/A

11.0 Toxicological Information

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol. 42 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans, IARC Class A.

12.0 Ecological Information

Not Available

13.0 Disposal Considerations

Approved landfill in accordance with all local, state and federal regulations.

14.0 Transportation Information

US DOT - Not regulated as a hazardous material.

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