

MATERIAL SAFETY DATA SHEET

Supplier's Name: M/s. MAXWORTH MINERALS TRADING PVT. LTD.

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SECTION 1 - Product Information

Trade Name:	NA
Dot Class/ID Number:	Not regulated
Chemical & Common Name(s):	MICROSILICA
Formula:	Trade secret

SECTION 2 - OSHA Potential Hazardous Ingredients

Component	CAS#	Approximate % By Weight	Occupational Exposure Limits		(Other)
			ACGIH-TLV	OSHA PEL	
Biogenic amorphous Silicon Di-Oxide	69012-64-2	92-94		10 mg/m ³ (resp)	
Iron Oxide (as Fe)	1309-37-1	2 to 5	5 mg/m ³ (resp)	10 mg/m ³ (Total)	NF
Silicon Carbide	409-21-2	2	3 mg/m ³ (resp)	5 mg/m ³ (resp)	NF
Aluminium Oxide	1344-28-1	1 to 2	10 mg/m ³	5 mg/m ³ (resp)	NF
Calcium Oxide	1305-78-8	1 to 2	3.5 mg/m ³ (Total)	5 mg/m ³ (Total)	NF
Magnesium Oxide	1309-48-4	1 to 2	10 mg/m ³ (Total)	15 mg/m ³ (Total)	NF
Biogenic Crystalline Quartz Silicon Di-Oxide	14808-60-7	2	0.025 mg/m ³ (Total)	10 mg/m ³ (resp.)	NF

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SECTION 3 - HAZARDOUS IDENTIFICATION

Emergency Overview: A solid grey powder material that is not flammable & combustible at room temperature. This product is relatively nontoxic & does not pose an immediate hazard to the health of emergency response personnel or to the environment in an emergency.

Potential Health Effects: Acute exposure to iron-oxide fume or dust can cause X-ray changes in the lungs as a result of long term exposure. Siderosis is a benign condition & is not associated with pulmonary fibrosis. Silicon Carbide dust may cause mild irritation of the upper respiratory tract on acute over-exposure. Chronic over-exposure to particulates of respirable size may cause lung inflammation, chest pain, difficult breathing, coughing & pneumoconiosis or possible fibrotic changes in the lungs. Prolonged over-exposure to respirable crystalline silica in excess of the TLV may cause Silicosis.

Potential Environmental Effects: The product has a high degree of intrinsic chemical stability & is relatively nontoxic in the environment.

SECTION 4 - FIRST AID & MEASURES

Eye Contact: The product is a powder & may be a mechanical irritant in the eyes. Flush eyes with water until irritation is removed.

Skin Contact: Remove contaminated clothing & wash exposed areas with soap & water.

Inhalation: Use adequate respiratory protection remove victim from exposure area to fresh area. Medical Oxygen may be administered, if available, where breathing is difficult. If irritation persists or cough or symptoms develop, seek medical attention.

Ingestion: If swallowed, don't induce vomiting. Consult a Physician, if necessary

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used)	NA	Flammable Limits	LEL	NA	UEL	NA
Extinguishing Media	NA	NA	NA		NA	
Unusual Fire & Explosive Hazards (see reactivity section for other physical hazards)					NA	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedure for Clean up: Ensure personal safety & control source of spillage. Clean up spilled material immediately, observing precautions in Section 8, Personal Protection & using methods that will minimize dust generation. Return uncontaminated spilled material to the process, if possible. Treat or dispose of waste material in accordance with all local, regional & national requirements.

Personal Precautions: Persons responding to an accidental release should wear protective clothes, gloves & a dust respirator.

Environmental Precautions: Care should be taken to prevent the spillage of this product to aquatic & terrestrial environments. Measures to control dust generation from product spills should be applied in dry dusty locations.

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SECTION 7 - HANDLING & STORAGE

Procedure for Clean up: Material is to be stored in suitable containers. Handle & open the container with care in accordance with good storage & handling practices. Worn after handling always wash hands with soap & water.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Clothing: Gloves & coveralls or other work clothing are recommended to prevent prolonged or repeated direct skin contact. Appropriate eye protection should be where dust is generated.

Ventilation: Use adequate local or general ventilation to maintain the concentration of dust in the work environment well below the recommended occupational exposure limit.

Respirators: Where excessive dust is generated & cannot be controlled to within acceptable levels by engineering means, use appropriate NIOSH approved respiratory protection equipments for very fine particulates.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance	Light Grey Powder
Vapor Pressure	Not Applicable
Specific Gravity	2.20(approx.)
Solubility in water	Negligible
Evaporation Rate	NA
Odor	None
Vapor Density	NA
pH	6.30
Freezing Point	NA
Boiling Point	NA

SECTION 10 - REACTIVITY DATA

Stability	Stable Conditions	None known
	Unstable	to avoid
Incompatibility (materials to avoid)	None Known	
Hazardous Decomposition Products:	Avoid fumes from melting	
Hazardous Polymerization:	May Occur Conditions	None known
	Will Not Occur	to avoid

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SECTION 11 - TOXOLOGICAL INFORMATION

General: This material is relatively nontoxic. Normal handling should not cause either acute or chronic health effects where dust is generated.

Acute: Acute exposure to iron-oxide fume or dust can cause X-ray changes in the lungs as a result of long term exposure. Siderosis is a benign condition & is not associated with pulmonary fibrosis. Airborne respirable dust may cause irritation in lungs, nose & throat.

Skin: Components are not probably irritating to skin.

Eye: The product is a powder & may be a mechanical irritant in the eyes.

Inhalations: Silicon Carbide dust may cause mild irritation of the upper respiratory tract on acute over-exposure. Chronic over-exposure to particulates of respirable size may cause lung inflammation, chest pain, difficult breathing, coughing & pneumoconiosis or possible fibrotic changes in the lungs. Prolonged over-exposure to respirable crystalline silica in excess of the TLV may cause Silicosis.

Ingestion: Not established

SECTION 15 - REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations & the MSDS contains all the information required by the Controlled Products Regulations.

U.S.

Ingredients Listed on TSCA Inventory - Yes

Hazardous under Hazard Communication Standard – Yes

CERCLA Section 103 Hazardous Substances – No

SARA Section 302 Extremely Hazardous Substances - No ingredients apply

SARA Section 311/312 Hazard Categories - Chronic health

SARA Section 313 Toxic Release Inventory - No ingredients apply.

CANADIAN

Listed on the Domestic Substances List - Yes

Listed on the National Pollutants Release Inventory - No

WHMIS Classification - D-2A

SECTION 16 - OTHER INFORMATION

Notice to Readers:

Application of Micro Silica to be used in making concrete in construction.

All information, recommendations, and suggestions in this MSDS, concerning our products are based on tests and data ever to be reliable, it cannot be guaranteed. Since the actual use by others is beyond our control it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein

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