



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - MATERIAL IDENTIFICATION AND USE

MATERIAL AMPRPHOUS SILICA  
 NAME - IDENTIFIER: **SILICA MESH FOUNDRY FILTERS**

<b>MANUFACTURER NAME:</b>		<b>SUPPLIER NAME:</b>	
Apogee Ceramics Inc.		Apogee Ceramics Inc.	
<b>STREET ADDRESS:</b>		<b>STREET ADDRESS:</b>	
71 Folsetter Dr.		71 Folsetter Dr.	
<b>CITY:</b>	<b>COUNTRY:</b>	<b>CITY:</b>	<b>COUNTRY:</b>
Paris, Ontario	Canada	Paris, Ontario	Canada
<b>POSTAL CODE:</b>	<b>PHONE:</b>	<b>POSTAL CODE:</b>	<b>PHONE:</b>
N3L 0E2	519-442-3636	N3L 0E2	519-442-3636

<b>CHEMICAL NAME:</b>	<b>CHEMICAL FAMILY:</b>	<b>CHEMICAL FORMULA:</b>
Silica	Ceramic	SiO <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	<b>MATERIAL USE:</b>	
	MANUFACTURING END USE	

### SECTION 2 - COMPOSITION INGREDIENTS

COMPOSITION INGREDIENTS	%	UN. NA OR CASE NUMBERS	OSH PEL RESPIRABLE
<b>Amorphous Silica</b>	92-98	7631-86-9	20 mppcf
<b>Phenol Formaldehyde</b>	15-20*	9003-35-4	none
<b>Phenol (free)</b>	trace	108-95-2	5ppm
<b>Formaldehyde (free)</b>	trace	50-00-0	0.75ppm

\*% of actual coating as a % of base material

### SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE:</b>		<b>ODOUR AND APPEARANCE:</b> BROWN		<b>ODOUR THRESHOLD</b>
GAS ( ) LIQUID ( ) SOLID ( X )		SLIGHT PHENOLIC RESIN ODOR		(PPM): N/A
<b>VAPOUR PRESSURE</b>	<b>FREEZING POINT (°C):</b>	<b>VAPOUR DENSITY</b>	<b>EVAPORATION RATE:</b> N/A	<b>BOILING POINT (°C):</b>
(mm Hg): N/A	N/A	(AIR-1): N/A		2230C
<b>% VOLATILE (BY VOLUME):</b>	<b>SOLUBILITY IN WATER (20 °C):</b>	<b>SPECIFIC GRAVITY</b>	<b>MELTING POINT:</b>	<b>COEFFICIENT WATER OIL DIST:</b>
N/A	INSOLUBLE	2.0. TYPICAL	1750 C/3182F	N/A



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## SECTION 4 - FIRE AND EXPLOSIVE DATA

<b>FLAMMABILITY</b>			
YES ( ) NO ( X ): IF YES, UNDER WHICH CONDITIONS?			
MEANS OF EXTINCTION:			
FIRE EXPOSURE: SILICA FABRIC MAY EMIT COMBUSTION PRODUCTS OF PHENOLIC RESIN, CARBON MONOXIDE, AND/OR CARBON DIOXIDE.			
FLASH POINT (°C) AND METHOD: N/A	UPPER EXPLOSION (% BY VOLUME): N/A	LOWER EXPLOSION LIMIT (% BY VOLUME): N/A	
AUTO IGNITION TEMPERATURE (°C): N/A	TDG FLAMMABILITY CLASSIFICATION: N/A	HAZARDOUS COMBUSTION PRODUCTS: N/A	
<b>EXPLOSION DATA:</b> SENSITIVITY TO IMPACT: N/A	SENSITIVITY TO STATIC DISCHARGE: N/A	EXPLOSIVE POWER: N/A	RATE OF BURNING: N/A

## SECTION 5 - REACTIVITY DATA

<b>CHEMICAL STABILITY</b>	
YES ( X ), NO ( ) IF NO UNDER WHICH CONDITIONS?	
COMPATIBILITY WITH OTHER SUBSTANCES	
YES ( X ), NO ( ) IF NO, WHICH ONES?	
REACTIVITY UNDER WHICH CONDITIONS:	NON-REACTIVE
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A

## SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>ROUTE OF ENTRY:</b>			
SKIN CONTACT ( ) INGESTION ( )	SKIN ABSORPTION ( )	EYE CONTACT ( )	INHALATION ACUTE ( )  INHALATION CHRONIC ( )
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:			
EFFECTS OF CHRONIC EXPOSURE:			
LD/50 OF MATERIAL: N/A	LC/50 OF MATERIAL: N/A	EXPOSURE LIMIT OF MATERIAL: NOT ESTABLISHED	IRRITANCY OF MATERIAL: N/A
SENSITIZING CAPABILITY OF MATERIAL: N/A	CARCINOGENICITY OF MATERIAL: N/A	REPRODUCTIVE EFFECTS OF MATERIAL: N/A	SYNERGISTIC MATERIALS: N/A



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### SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: USE SUFFICIENT VENTILATION OR LOCAL EXHAUST TO REDUCE THE LEVEL OF RESPIRABLE DUST. SAFETY GLASSES SHOULD BE WORN TO PREVENT EYE CONTACT WITH SILICA FIBERS.		
GLOVES (SPECIFY): SEE ABOVE	RESPIRATORY (SPECIFY): SEE ABOVE	EYE (SPECIFY): SEE ABOVE
FOOTWEAR (SPECIFY): N/A	CLOTHING (SPECIFY): N/A	OTHER (SPECIFY): N/A
ENGINEERING CONTROLS (SPECIFY E.G. VENTILATION ENCLOSED PROCESS): N/A		
LEAK AND SPILL PROCEDURE: N/A		
WASTE DISPOSAL: N/A		
HANDLING PROCEDURES AND EQUIPMENT: N/A		
STORAGE REQUIREMENTS: STORE IN A CLEAN, DRY PLACE. KEEP STORAGE CONTAINER CLOSED.		
SPECIAL SHIPPING INFORMATION: N/A		

### SECTION 8 - FIRST AID MEASURES

INHALATION OF AIRBORNE FIBERS MAY CAUSE MINOR IRRITATION TO EYES, MOUTH, NOSE AND THROAT. MOVE PERSON TO FRESH AIR AND IF SYMPTOMS PERSIST, CONTACT PHYSICIAN.

SOURCES USED:
ADDITIONAL INFORMATION:

### SECTION 9 - PREPARATION DATE OF THE MSDS

<b>PREPARED BY</b> <b>(GROUP, DEPARTMENT, ETS)</b> Operations Manager Apogee Ceramics Inc.	<b>PHONE NUMBER:</b>  519-442-3636	<b>DATE PREPARED:</b>  June 2017
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