# MATERIAL SAFETY DATA SHEET

# SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FILTER AC	ME: FILTER AG
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GENERAL USE: Filter media

Humans".



GENERAL USE: Filter media					T)	ack	Cor	n
PRODUCT DESCRIPTION: Off-white powder					<u></u>	· · · · ·		۲.
MANUFACTURER'S NAME		TELEPHON		ER FOR IN	IFORMA	TION	Page <sup>1</sup>	of 4
Clack Corporation ADDRESS (NUMBER, STREET, P.O. BOX)	(608) 846-3010 Lago For Fig. (608) 846-3010 L							
4462 Duraform Lane		CHEM • T				AZILAI	13) 248-0	573
(CITY, STATE AND ZIP CODE)					ry 5, 2004		13) 240-0	373
Windsor, WI 53598-	USA	DATE PREF SUPERSED	ES:	May 6,		•		
SECTI	ON 2 - HAZARDO	OUS INGI	REDIE	N <i>TS</i>				
LIAZADDOLIO COMPONENTO	040 "	%	OSH	A PEL	ACGI	H TWA	SARA	RC
HAZARDOUS COMPONENTS	CAS#	(by weight)	PPM	MG/M3	PPM	MG/M3	TITLE III	LBS
Silica, crystalline, quartz (a,b)	14808-60-7	100		0.1		0.05		
						····		~=~=~=~
(a) California Prop 65, Safe Drinking Water and Toxic								A
person in the course of doing business must warn oth	•				•			
(b) Indicates substance appears on National Toxicolocarcinogens or is regulated by the Occupational Safe					esearch o	n Cancer (IA	ARC) list of	
	ety and riediti Administration			ciriogeri.		***		
SECT	ION 3 - HAZARD	S IDENTI	FICAT	ION				
EMERGENCY OVERVIEW		O IDEITI	1 10/11	· • · · · · · · · · · · · · · · · · · ·				
Granular powder, airborne dust particles are ha	armful and irritating to re	spiratory tract.	Contact	with eves	mav caus	se irritation	. Silica.	
crystalline quartz indicates carcinogenic classifi								ıman
Hazard symbols: Xn. Risk Phrases: R20, 36/3	37, 40	_				_		
POTENTIAL HEALTH EFFECTS								
INHALATION: may cause breathlessness, whe	eezing, cough and sputur	m production.	Pulmona	ry function	may be i	reduced by	/ inhalatio	n of
respirable crystalline silica.	ο, ο τ	•		,	,	,		
SKIN: None expected, however, prolonged cor	ntact may cause irritation							
EYES: Contact with eyes may cause irritation.								
INGESTION: May cause gastric distress, stom								
ANGLO HON. Iviay cause gasine dishess, storil	each naine vomiting and	diarrhea						
	ach pains, vomiting and	diarrhea.						
	ach pains, vomiting and	diarrhea.						

Silica, crystalline quartz indicates carcinogenic classification - NTP: Anticipated Carcinogen, IARC Monographs: Group 1, "Carcinogenic to

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### SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; if symptoms persist seek medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention.

### SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE LIMITS UEL: Not applicable FLASH POINT (METHOD USED) LEL: Not applicable **AUTOIGNITION TEMPERATURE:** Not determined NFPA CLASS: Non-flammable None

GENERAL HAZARDS: Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

#### **EXTINGUISHING MEDIA**

Carbon dioxide, water, water fog, dry chemical, chemical foam

### FIRE FIGHTING PROCEDURES

None

### UNUSUAL FIRE AND EXPLOSION HAZARDS

#### HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes, oxides of carbon

### SECTION 6 - ENVIRONMENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills - wash to sanitary sewer with plenty of water. Large spills - Recover and segregate product for reuse; shovel product into approved container for disposal.

### SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; store containers in cool, dry area. Keep this and other chemicals out of reach of children.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### **ENGINEERING CONTROLS**

The use of local exhaust ventilation and airborne particle collection is recommended. No other special controls are indicated.

#### PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSH approved respirator with HEPA cartridge designed to remove airborne particulate present in excess of maximum allowable concentrations due to operations such as mixing, spraying, sanding, buffing, etc. Refer to 29 CFR 1910.134 for regulations.

PROTECTIVE GLOVES: Neoprene or rubber gloves.

EYE PROTECTION: Safety goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

MATERIAL SAFETY DA	IA SIILEI				<u> </u>
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	CTION 9 - PHY	SICAL AND	CHEMIC	AL PROPERTIES	
VAPOR PRESSURE (MM Hg)				NSITY (AIR = 1)	
Not applicable			Not applic	*	
SPECIFIC GRAVITY (WATER =	: 1)			ION RATE (n-Butyl Acetate:	= 1)
2.4 - 2.6	,		Not applic	able	,
SOLUBILITY IN WATER			FREEZING	POINT	
Insoluble		Not applic			
pH				ICE AND ODOR	
Not applicable				powder, no odor	
BOILING POINT			PHYSICAL	STATE	
°F (° C)			Powder		
VISCOSITY			ORGANIC COMPOUNDS (To	otal VOC's)	
Not applicable			Not applic		
	SECTION 1	0 - STABILIT	TY AND F	REACTIVITY	
STABILITY	TY UNSTABLE:			S TO AVOID:	
	XXX	Store in co	ol dry area		
INCOMPATIBILITY (MATERIALS					
Dissolves in hydrofluoric acid to	o produce corrosive g	gas - silicone tetra	afluoride.		
HAZARDOUS DECOMPOSITION			n will not occur	if handled and stored properly	y. In case of a fire, oxides
of carbon, hydrocarbons, fumes,		roduced.	1		
HAZARDOUS POLYMERIZATION MAY OCCUR: CONDITIONS TO AVOID:					
	WILL NOT OCCUR:		None		
	SECTION 11	- TOXICOLO	DGICAL IN		
Hazardous Ingredients		CAS#	EINECS #	LD50 of Ingredient	LC50 of Ingredient
				(Specify Species and Route)	(Specify Species)
Silica, Crystalline Quartz		14808-60-7	238-878-4	Not established	Not established
			<u> </u>		
	SECTION 1	<i>2 - ECOLOC</i>	ICAL INF	ORMATION	
			•		

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

### SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Products classified as non - hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

### SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS / Pack Group: None / None REFERENCE: Not Applicable

**IDENTIFICATION NUMBER: None** 

LABEL: None Required

IATA HAZARD CLASS / Pack Group: None

IMDG HAZARD CLASS: None RID/ADR Dangerous Goods Code: None

HAZARD SYMBOLS: None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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### SECTION 15 - REGULATORY INFORMATION

#### TSCA (Toxic substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

### SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

None

313 Reportable Ingredients:

None

#### CERCLA (Comprehensive Response Compensation and Liability Act)

None

#### **CPR (Canadian Controlled Products Regulations)**

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

#### IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

### DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

#### EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

### **EC Risk Phrases**

R20 Harmful by inhalation.

R36/37 Irritating to eyes and respiratory system.

R40 Limited evidence of a carcinogenic effect.

### **EC Safety Phrases**

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

### SECTION 16 - OTHER INFORMATION

Prolonged exposure to respirable crystalline quartz may cause delayed lung injury (silicosis). Acute or rapidly developing silicosis may occur in heavy exposure conditions.

HMIS HAZARD RATINGS HEALTH 0 = INSIGNIFICANT 3 = HIGH

> **FLAMMABILITY** Λ 1 = SLIGHT 4 = EXTREME

REACTIVITY Λ 2 = MODERATE

PERSONAL PROTECTIVE EQUIPMENT Ε Safety glasses, gloves, dust respirator

**REVISION SUMMARY:** This MSDS has been revised in the following sections:

Risk & Safety phrases

MSDS Prepared by: Chem-Tel, Inc.

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Tampa, Florida USA 33602

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.