

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Pitco Filter Aid

PRODUCT CODE |

ISSUE DATE | 02-18-06

### EMERGENCY TELEPHONE NUMBERS

DISTRIBUTOR: Pitco Frialator  
 STREET ADDRESS PO Box 501  
 CITY, STATE, ZIP Concord, NH 03302-0501

Transportation: (800) 424-9300 \*  
 \* For spill, leak, fire or transport accident emergencies.  
 Product Information: (617) 344-8688

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Diatomaceous Earth, Flux-Calcined	68855-54-9	100	As Silica(Crystalline) Respirable Dust 0.05mg/m3	As Silica(Crystalline) Respirable Dust 0.05mg/m3	None
Crystalline silica	14464-46-1	35-50%	0.05mg/m3	0.05mg/m3	None

## SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Eye irritant. Contains crystalline silica dust. Breathing crystalline silica dust over a prolonged period of time in excess of the permissible exposure limit can cause silicosis, a lung disease which is often progressive and disabling and on rare occasions fatal.
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POTENTIAL HEALTH EFFECTS	
INGESTION .....	Short term exposure not considered harmful.
INHALATION .....	Acute inhalation can cause dryness of the nasal passages and congestion of the upper respiratory tract.
EYE CONTACT .....	May cause irritation or inflammation.
SKIN CONTACT .....	May cause dryness.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	Drink generous amounts of water to reduce bulk and drying effects. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get Medical Attention.
INHALATION	Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water. Use moisture renewing lotions if dryness occurs.
NOTE TO PHYSICIAN	Medical Conditions Aggravated By exposure: Pre-existing diseases of the upper respiratory tract and lung such as bronchitis, emphysema, and asthma.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	n/ap		
SPECIAL FIRE FIGHTING PROCEDURES	Not Applicable		
FIRE AND EXPLOSION HAZARDS	Not Applicable		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Vacuum clean spillage, wet sweep or wash away. Avoid creating dust.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Avoid creating dust. Repair or properly dispose of broken bags.
STORAGE PRECAUTIONS	Store in a cool dry place.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Normal procedures for good hygiene.
ENGINEERING CONTROLS	Local – Control within recommended TLV/PEL. Refer to ACGIH publication "Industrial Ventilation" or similar publications for design of ventilation systems.

**PERSONAL PROTECTIVE EQUIPMENT**

	<b>RESPIRATOR</b>	Bureau of mines or NIOSH approved respirators for protection against pneumoconiosis producing dusts recommended when dust is present.
X	<b>GOGGLES / FACE SHIELD</b>	Goggles to protect against dust.
X	<b>APRON</b>	
X	<b>GLOVES</b>	Not necessary
X	<b>BOOTS</b>	Not necessary

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Odorless, light pink to white powder.	BOILING POINT	Not applicable
ODOR	Odorless	FREEZING POINT	Not applicable
pH	10 (10% slurry)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	2.3	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	<2%	EVAPORATION RATE	Not applicable

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	Avoid creating dust.					
INCOMPATIBILITY	Incompatible with Hydrofluoric acid. Products containing Silica may react Violently with Hydrofluoric Acid.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Not Applicable					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

**OTHER EFFECTS**

<b>ACUTE</b>	Upper respiratory irritant. May cause coughing or throat irritation.
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<b>CHRONIC</b>	See Note on Page 5
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### SECTION 12 -- ECOLOGICAL INFORMATION

<b>BIODEGRADABILITY</b>	<input type="checkbox"/>	<b>CONSIDERED BIODEGRADABLE</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOT BIODEGRADABLE</b>	<input checked="" type="checkbox"/>
<b>BOD / COD VALUE</b>	Not established					
<b>ECOTOXICITY</b>	No data available					

### SECTION 13 -- DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL METHOD</b>	Non- Biodegradable. Use solid waste disposal common to landfill type operations or in slurry to sumps. Not considered a hazardous waste under RCRA (40CFR Part 261)					
<b>RCRA CLASSIFICATION</b>	Non-hazardous					
<b>RECYCLE CONTAINER</b>	<input type="checkbox"/>	<b>YES</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>CODE</b>	<input type="checkbox"/>
	<input type="checkbox"/>	<b>NO</b>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

### SECTION 14 -- TRANSPORT INFORMATION

<b>DOT CLASSIFICATION</b>	<input type="checkbox"/>	<b>HAZARDOUS</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOT HAZARDOUS</b>	<input checked="" type="checkbox"/>
<b>DESCRIPTION</b>	Not applicable					

### SECTION 15 -- REGULATORY INFORMATION

#### REGULATORY STATUS

<input type="checkbox"/>	<b>EPA REGISTERED (UNDER FIFRA)</b>	
<input type="checkbox"/>	<b>FDA REGULATED</b>	
<input checked="" type="checkbox"/>	<b>KOSHER</b>	
<input type="checkbox"/>	<b>SARA TITLE III MATERIAL</b>	
<input type="checkbox"/>	<b>USDA AUTHORIZED</b>	

### SECTION 16 -- OTHER INFORMATION

#### NFPA CLASSIFICATION

1	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
0	<b>YELLOW</b>	REACTIVITY
--	<b>WHITE</b>	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty,

express or implied, is made and no liability is assumed by Alpha Chemical Services, Inc., in connection with the use of this information.

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#### EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Inhalation of crystalline silica dust in excess of the Threshold Limit Value (TLV) Recommended by the American Conference of Governmental Industrial Hygienists (ACGIH) or in excess of the Permissible Exposure limit (PEL) established by OSHA over an extended number of years may cause silicosis, a progressive sometimes fatal lung disease. Although silicosis is a non-cancerous lung disease, the recent study (October 1992) conducted by the University of Washington on certain diatomite workers indicates that exposure to high concentrations of crystalline silica for many years may increase the potential risk of developing lung cancer. The study also reports that for workers hired since 1960, no increase in lung cancer mortality risk was found. Consequently, maintenance of crystalline silica dust concentrations at or below levels specified by occupational standard setting agencies will minimize, if not eliminate, any potential risk of NMRD or lung cancer.

IARC – Class 2A (“Probably carcinogenic to humans”)

NTP – “Silica, crystalline (respirable)” “reasonably anticipated to be a carcinogen”

OSHA – has not classified crystalline silica as a carcinogen