

Material Safety Data Sheet

Product Name: Organite 42

Section I - Manufacturer's Information

Manufacturer's Name & Address:

Filter Innovations Inc.
 744 Gordon Baker Road
 North York, Ontario, M2H 3B4
 Tel: 416-490-7848
 Fax: 416-490-0974

Section II - Preparation of MSDS

Review Date: January, 2008

Section III - Hazardous Ingredients/Identity Information

Hazardous components (Specific Chemical Identity: Common Names)	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	Other Limits Recommended	% (optional)
Anthracite Coal Dust	1.5 mg/m ³	0.1 mg/m ³		
Crystalline Quartz CAS #14808-60-7	0.1 mg/m ³	0.1 mg/m ³ TWA 50 ug/m ³ TWA	NIOSH 50 ug/m ³ TWA	<2% <.5%
Respirable Crystalline Quarts	present (TWA) proposed (TWA)			
Nuisance Dust	5 mg/m ³ 15 mg/m ³	5 mg/m ³ 10 mg/m ³		

WARNING:

This clay product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved respirator where TLV for crystalline silica may be exceeded.

Product Identification

Chemical Family: Quaternary Ammonium Compounds/Clay Surface Modified Clay

Chemical Name: Complex of Montmorillonite clay & quaternary ammonium compound

Formula: Health - 1, Fire - 0, Reactivity - 0, Specific Hazard - See Section VII

NFPA/HMIS: Not Regulated

Dot Class:

Section IV - Physical/Chemical Characteristics

Boiling Point - Not Applicable	Specific Gravity (H ₂ O = 1)	Approx. 1.7
Vapour Pressure (mm Hg.) N/A	Melting Point	N/A
Vapour Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water - Negligible		
Appearance and Odour - White or Gray with negligible odour		

Section V - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A
Flammable Limits	N/A
Extinguishing Media	LEL -0.07 oz./cu.ft. UEL --
Special Fire Fighting Procedures	For dust fire, use CO ₂ , dry chemical, water fog
Unusual Fire and Explosion Hazards	None known
	Does not typically present a fire or dust explosion hazard; however dust concentrations of 0.07 oz/cu.ft. may ignite at 510 deg. Celsius or when exposed to ignition source.

Section VI - Reactivity Data

Stability	Unstable -	Conditions to Avoid - None Known
	Stable - x	
Incompatibility (Materials to Avoid)	None known	
Hazardous Decomposition or By-products	- Possible generation of CO, CO ₂ , NO _x , HCL and unknowns if burned	
Hazardous Polymerization	May Occur -	Conditions to Avoid - None Known
	Will Not Occur - x	

Section VII - Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? No Ingestion? No
May cause delayed respiratory disease if dust inhaled over a prolonged period of time.

Health Hazards (Acute and Chronic) NTP? No IARC Monographs? Yes OSHA Regulated? No
Carcinogenicity: IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol. 42, 1987)
concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans.
IARC classification 2A.

Signs and Symptoms of Exposure Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function.
Continued exposure to mucous membranes may cause irritation. Eye contact can cause irritation .

Medical Conditions Generally Individuals with pulmonary and/or respiratory disease including but not limited to asthma and
bronchitis
should be precluded from exposure to dust.

Aggravated by Exposure Skin - Wash with soap & water for good hygiene.

Emergency and First Aid Procedures Eyes - Flush with water for at least 15 minutes - get medical attention if needed.
Gross inhalation of dust - Remove to fresh air, give oxygen or artificial respiration if necessary;
get medical attention
Ingestion - Drink plenty of water, do not induce vomiting, get medical attention if needed.

Section VIII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
Vacuum if possible to avoid generating airborne dust.
Avoid breathing dust. Wear an approved respirator.
Avoid adding water, the product will become slippery when wet.

Waste Disposal Method - Follow federal, provincial and local regulations for solid waste

Precautions to be Taken in Handling and Storing
Use precautions for flammable dust including avoidance of dust generation and use of adequate dust collection systems. Use properly grounded electrical equipment to prevent static discharge. Keep away from open flame, heat or other ignition sources. Avoid breathing dust, use NIOSH/MSHA approved respirator where TLV limits for Crystalline Silica may be exceeded.



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Other precautions - Slippery when wet

Section IX - Control Measures

Respiratory Protection (Specify Type)	OSHA standard 1910.134 or ANSI Z88.2-1980 specification		
Ventilation	Local Exhaust Mechanical (General)	As appropriate	Special None
Protective Gloves	Recommended	As appropriate	Other None
Other Protective Clothing or Equipment	None		Eye Protection Recommended
Work/Hygienic Practices	Use good housekeeping practices.		

This information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge.

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