MATERIAL SAFETY DATA SHEET

Diatomaceous Earth

Section 01 - Chemical And Product And Company Information

Product Identifier …….. Diatomaceous earth; Celatom FP-4, FW-10, FW-12, FW-14, FW-18, FW-20, FW-40, FW-50, FW-60, FW-70, FW-80, or SP

Product Use …… Filter aid

Supplier Name……..… ClearTech Industries Inc.
2303 Hanselman Avenue
Saskatoon SK S7l 5Z3
Canada

Prepared By.....……..…. ClearTech Industries Inc. Technical Department
Phone: (306)664-2522

Preparation Date.....…….…. December 11, 2002

24-Hour Emergency Phone……. 306-664-2522

Section 02 - Composition / Information on Ingredients

Hazardous Ingredients....……..	Diatomaceous Earth, Flux-Calcined (Diatomite)	100%
	Crystalline silica (Cristobalite)	5-55%
CAS Number.....…….……..		68855-54-9
		14464-46-1
Synonym (s).....…….	Aqua-cel; flux calcined diatomaceous earth	

Section 03 - Hazard Identification

Inhalation.....…….…. Upper respiratory irritant. May cause coughing or throat irritation.

Skin Contact / Absorption……. May cause slight irritation.

Eye Contact..... May cause slight irritation.

Ingestion..... May cause slight irritation. Not hazardous when digested.

Exposure Limits..... ACGIH TLV = 0.05 mg/m3 for cristobalite fraction.
ACGIH TLV = 0.10 mg/m3 for silica, crystalline quartz. Local regulated limits may vary.

Section 04 - First Aid Measures

Inhalation..... Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.

Skin Contact / Absorption..... Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists

Eye Contact..... Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention

Ingestion..... No known health effects. Drink water to reduce bulk and drying effects. Seek immediate medical attention if there is irritation.

Section 05 - Fire Fighting

Conditions of Flammability..... Non-flammable

Means of Extinction..... Product does not burn. Use appropriate extinguishing media for material that is supplying the fuel to the fire.

Flash Point..... Not Applicable.

Auto-ignition Temperature..... Not Applicable.

Upper Flammable Limit ..... Not Applicable.

Lower Flammable Limit..... Not Applicable.

Hazardous Combustible Products. None.

Special Fire Fighting Procedures... Wear NIOSH-approved self-contained breathing Apparatus and protective clothing.

Explosion Hazards……. None.

Section 06 - Accidental Release Measures

Leak / Spill.....…….. Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Prevent material from entering sewers.

Deactivating Materials...……... None.

Section 07 - Handling and Storage

Handling Procedures.....…….. Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements.....……..…. Store in a cool, dry, well-ventilated place. Keep container tightly closed, and away from incompatible materials.

Section 08 - Personal Protection and Exposure Controls

Protective Equipment

Eyes.…….…….. Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

Respiratory……... NIOSH approved respirators for protection against pneumoconiosis producing dusts recommended when dust is present.

Gloves……..... Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing with soap and water, dry thoroughly before reuse.

Clothing……..……... Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing with soap and water, dry thoroughly before reuse.

Footwear……..... Impervious boots of chemically resistant material should be worn at all times

Other…….…….. No other information available

Engineering Controls

Ventilation Requirements……..... Mechanical ventilation (dilution or local exhaust), process or personnel enclosure, and control of process conditions. Supply sufficient replacement air to make up for air removed by exhaust systems.

Other…….. Emergency shower and eyewash should be in close proximity.

Section 09 - Physical and Chemical Properties

Physical State.....……...…….. Solid.

Odor and Appearance…..…….. Fine odourless white, buff, or pink powder

Odor Threshold....……..... Not Available.

Specific Gravity (Water=1)…… 2.3

Vapor Pressure (mm Hg, 20C)…..… Not Available.

Vapor Density (Air=1)..…….. Not Available.

Evaporation Rate.....……..…… Not Available.

Boiling Point.....…….. Not Available.

Freeze/Melting Point....…….. Not Available.

pH.....…… 9-10 (10%) Slurry

Water/Oil Distribution Coefficient... Not Available.

Bulk Density.....…… Varies with grade

% Volatiles by Volume……..……. 0

Solubility in Water...…….. <2%

Molecular Formula.....…….. Not Applicable

Molecular Weight.....…….. Not Applicable

Section 10 - Stability and Reactivity

Stability.....……...…… Stable under normal conditions.

Incompatibility.....…….…… Incompatible with hydrofluoric acid. Reaction with hydrofluoric acid will evolve silicon tetrafluoride.

Hazardous Products of Decomposition Not Available

Polymerization.....…….…… Will not occur.

Section 11 - Toxicological Information

Irritancy..... May cause dryness to mucous membranes.

Sensitization..... Not Available

Chronic/Acute Effects..... Inhalation of dust in excess of OSHA PEL over an extended number of years may cause silicosis. Although silicosis is a non-cancerous lung disease, crystalline silica has been determined by the International Agency for Research on Cancer to be 'probably carcinogenic to humans.'

Synergistic Materials..... Not Available

Animal Toxicity Data..... Not Available

Carcinogenicity..... IARC: crystalline silica classed as 2A; probably a human carcinogen.

Reproductive Toxicity..... Not Available

Teratogenicity..... Not Available

Mutagenicity..... Not Available

Section 12 - Ecological Information

Fish Toxicity..... Not Available

Biodegradability..... Not Available

Environmental Effects..... Not Available

Section 13 - Disposal Considerations

Waste Disposal..... Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 - Transportation Information

TDG Classification

Class..... Not Regulated.

Group..... Not Regulated.

PIN Number..... Not Regulated.

Other..... Secure containers (full and/or empty) with suitable hold down devises during shipment.

Section 15 - Regulatory Information

WHMIS Classification..... <<AVAIL ON OLD MSDS>>

NOTE: THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS

Section 16 - Other Information

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

ClearTech Industries Inc. - Locations

Corporate Head Office: 2302 Hanselman Avenue, Saskatoon, SK, S7L 5Z3
Phone: 306-664-2522
Fax: 306-665-6216

www.ClearTech.ca

Location	Address	Postal Code	Phone Number	Fax Number
Richmond BC	12431 Horseshoe way	V7A 4X6	604-272-4000	604-272-4596
Calgary AB	5516E - 40th St. S.E.	T2C 2A1	403-279-1096	403-236-0989
Edmonton AB	11750 - 180th Street	T5S 1N7	780-452-6000	780-452-4600
Saskatoon SK	2302 Hanselman Avenue	S7L 5Z3	306-933-0177	306-933-3282
Regina SK	555 Henderson Drive	S42 5X2	306-721-7737	306-721-8611
Winnipeg MB	340 Saulteaux Crescent	R3J 3T2	204-987-9777	204-987-9770
Mississauga ON	7480 Bath Road	L4T 1L2	905-612-0566	905-612-0575

24 Hour Emergency Number - All Locations - 306-664-2522