

**MATERIAL SAFETY DATA SHEET****Diatomaceous Earth****Section 01 - Product And Company Information**

Product Identifier Celatom FP-1, FP-2, FP-22

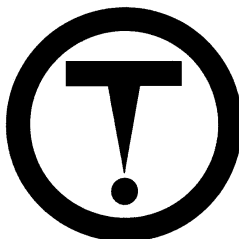
Product Use Filter aid

Supplier Name ClearTech Industries Inc.
1500 Quebec Avenue
Saskatoon, SK. Canada
S7K 1V7

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

Preparation Date June 12, 2013

24-Hour Emergency Phone 306-664-2522

**Section 02 - Composition / Information on Ingredients**

Ingredients	Diatomaceous Earth, calcined	100%
	Crystalline Silica (cristobalite)	< 5%
CAS Number	Diatomaceous Earth, calcined	91053-39-3
	Crystalline Silica (cristobalite)	14464-46-1
Synonym (s)	Calcined diatomaceous earth, diatomite, DE	

Section 03 - Hazard Identification

Inhalation Upper respiratory irritant. May cause coughing or throat irritation.
Breathing dust containing crystalline silica over a long period may cause lung damage.



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: 0.025 mg/m³ (cristobalite)
ACGIH/TLV: 0.025 mg/m³ (quartz)

Section 04 - First Aid Measures

Inhalation..... Remove victim to fresh air. Seek medical attention if symptoms persist.

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

Eye Contact..... Check for and remove any contact lenses. 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 with short-term exposure. Drink water to reduce bulk and drying effects. Seek medical attention if symptoms appear.

Additional Information..... Not available

Section 05 - Fire Fighting Measures

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... Not applicable

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

Explosion Hazards..... Not applicable

Section 06 - Accidental Release Measures

Leak / Spill..... Diatomaceous earth is a non-toxic, non-biodegradable mineral. Waste generated from this product would only be considered hazardous when mixed with a substance that would be considered hazardous. Flush area with water to remove any residue.

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 (standard 42CFR84, series N95) are recommended when dust is present.

Gloves..... Impervious gloves of chemically resistant material can be worn, although normally not necessary to do so. Wash contaminated clothing and dry thoroughly before reuse.



Clothing..... Body suits, aprons, and/or coveralls of chemical resistant material should be worn. Wash contaminated clothing and dry thoroughly before reuse.

Footwear..... No special footwear is required other than what is mandated at place of work.

Engineering Controls

Ventilation Requirements..... Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. 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)..... 2.00

Vapor Pressure (mm Hg, 20C)..... Not applicable

Vapor Density (Air=1)..... Not available

Evaporation Rate..... Not available

Boiling Point..... Not applicable

Freeze/Melting Point..... > 1300°C

pH..... 7 (10% slurry)

Water/Oil Distribution Coefficient.... Not applicable

Bulk Density..... Varies with grade

% Volatiles by Volume..... Not available

Solubility in Water..... < 1%

Molecular Formula..... Not available

Molecular Weight..... Not available

Section 10 - Stability and Reactivity

Stability..... Stable under normal conditions.

Incompatibility..... Incompatible with hydrofluoric acid.

Hazardous Products of Decomposition.. Not available

Polymerization..... Will not occur

Section 11 - Toxicological Information

Irritancy..... Irritant to eyes.

Sensitization..... Not available

Chronic/Acute Effects..... Calcined diatomaceous earth (Kieselguhr) is composed of amorphous and crystalline silica. Amorphous silica is not classifiable as carcinogenic to humans. Crystalline silica inhaled as respirable dust, has been classified as carcinogenic to humans over prolonged and sustained exposure. Long-term inhalation of respirable crystalline silica may contribute to the respiratory disease silicosis (non-cancerous lung disease). In a 1997 monograph (Volume 68, "Silica"), the International Agency for Research on Cancer (IARC) concluded that overall the epidemiological findings support increased risk of lung cancer from inhaled crystalline silica resulting from occupational exposure (Group 1), while there was inadequate evidence in humans for the carcinogenicity of amorphous silica (Group 3).

Synergistic Materials..... Not available

Animal Toxicity Data..... Not available

Carcinogenicity..... IARC: crystalline silica classified in Group 1 as a carcinogen resulting from inhalation.

Reproductive Toxicity..... Not available

Teratogenicity..... Not available

Mutagenicity..... Not available

Section 12 - Ecological Information



Fish Toxicity..... Not available

Biodegradability..... Not available

Environmental Effects..... Insoluble mineral product, will not have an adverse affect on waterways.

Section 13 - Disposal Consideration

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

Section 14 - Transport 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 and ensure all caps, valves, or closures are secured in the closed position.

Section 15 - Regulatory Information

WHMIS Classification.....D2

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.

Attention: Receiver of the chemical goods / MSDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Material Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service or technical service department.



ClearTech Industries Inc. - Locations

Corporate Head Office: 1500 Quebec Avenue, Saskatoon, SK, S7K 1V7

Phone: 306-664-2522

Fax: 306-665-6216

www.ClearTech.ca

Location	Address	Postal Code	Phone Number	Fax Number
Richmond, B.C.	12431 Horseshoe Way	V7A 4X6	604-272-4000	604-272-4596
Calgary, AB.	5516E - 40 th St. S.E.	T2C 2A1	403-279-1096	403-236-0989
Edmonton, AB.	12020 - 142 nd Street	T5L 2G8	780-452-6000	780-452-4600
Saskatoon, SK.	19 Peters Ave, North Corman Park	S7K 1V7	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