

# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS)*

## 1. Product and Supplier Identification

**Product:** Fibertech Enzymatic

**Product Use:** Enzymatic instrument presoak and cleaner

**Manufacturer:** Agrinova Consulting Inc.,  
1525 Columbia Street,  
North Vancouver, BC Canada V7J 1A3  
Emergency Telephone: (604) 813-2404

**Supplier:** Fibertech Canada E.R. Inc.,  
6513A Mississauga Road N.,  
Mississauga, Ontario, Canada, L5N 1A6  
Telephone: 1 (800) 727-3855

## 2. Composition

Component	% (w/w)	Exposure Limits ACGIH*	LD <sub>50</sub>	LC <sub>50</sub>
All ingredients do not meet requirements for disclosure (Proprietary enzymatic formulation)	100	Not applicable	Not applicable	Not applicable

\* ACGIH – American Conference of Governmental Industrial Hygienists

## 3. Hazards Identification

### Routes of Entry:

Skin Contact: Minor    Eye Contact: Minor    Ingestion: Minor    Inhalation: Minor

**Acute Health Effects:** This product is neutral. It is unlikely that contact with skin will result in any ill effects. Direct contact with eyes may produce a mild transient irritation. Although ingestion is not a typical route of entry, no acute health effects are anticipated. Ingestion of large quantities may cause minor gastrointestinal discomfort. Since water is the major component, inhalation of vapour is of minimal concern. Should the product be atomized and then inhaled, upper respiratory irritation may occur causing coughing. These effects are transient and will subside if the source of irritation is removed.

**Chronic Health Effects:** For persons who have sensitive skin, or who are pre-disposed to skin problems, prolonged contact may result in minor rash. No other chronic health effects anticipated.

## 4. First Aid Measures

**EYE CONTACT:** Flush contaminated eye(s) with lukewarm, gently running water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

**SKIN CONTACT:** Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

**INHALATION:** This is an unlikely route of entry, but if victim has been exposed to mist or vapours, remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

**INGESTION:** Do not induce vomiting. Give 240-300 ml of water to dilute material. If vomiting occurs naturally, have victim lean forward with head between knees to reduce risk of aspiration. Seek medical attention.

## 5. Fire Fighting Measures

<b>Flash point:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable. See information under "Fire Fighting Instructions"
<b>Lower Explosive Limit:</b>	Not applicable
<b>Upper Explosion Limit:</b>	Not applicable
<b>Sensitivity to Impact:</b>	Not sensitive.
<b>Sensitivity to Static Discharge:</b>	Not sensitive.

**Hazardous Combustion Products:** Upon dryness, hazardous combustion products may result in the evolution of small amounts of oxides of carbon, aldehydes, and/or ketones.

**Extinguishing Media:** This product is not combustible. Use a means of extinguishing surrounding fire. Water spray may be used to cool surrounding containers.

**Fire Fighting Instructions:** This product is an aqueous solution, and will not combust. Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus.

## 6. Accidental Release Measures

**Personal Protection:** See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

**Environmental Precautions:** Not expected to have any environmental impact.

**Cleanup Procedures:** Small spills of this product are not expected to have a detrimental environmental effects, but caution should be taken to prevent larger spills from entering waterways. Absorb spill onto inert medium and place into proper containers for disposal. Thoroughly flush residue with water.

## 7. Handling and Storage

**Handling Procedures:** Keep container tightly closed when not in use. Avoid methods of use that will cause misting of product. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

**Storage:** Store in cool, dry place and in an upright position to prevent leakage.

## 8. Exposure Controls, Personal Protection

**Engineering Controls:** Under manufacturers recommended use, no particular controls necessary.

**Respiratory Protection:** Not necessary if used as recommended.

**Skin Protection:** If predisposed to skin problems, it is recommended that any chemically impervious gloves and/or clothing be used. Barrier cream may be used if contact is sporadic.

**Eye and Face Protection:** Using chemical splash-proof goggles is recommended.

**Footwear:** As required by worksite rules.

**Other:** Eye wash station should be located near work area.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear green/blue liquid	<b>Vapour Density:</b>	As for water (air =1)
<b>Odour:</b>	Fresh light scent	<b>Freezing Point</b>	≈ 0 °C
<b>Odour Threshold:</b>	Not available	<b>Boiling Point:</b>	≈100 °C
<b>pH:</b>	≈ 7.0 (neutral)	<b>Critical Temperature:</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>Relative Density:</b>	≈ 1.02 (water = 1)
<b>Solubility:</b>	Soluble in water in all concentrations.	<b>Partition Coefficient:</b>	Not available
		<b>Evaporation Rate:</b>	Not available

## 10. Stability and Reactivity

**Chemical Stability and Reactivity:** Product is stable.

**Incompatibility:** Avoid contact with isocyanates, strong oxidizers, and mineral acids such as nitric acid.

**Hazardous Decomposition Products:** Oxides of carbon, aldehydes, and/or ketones.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

## 11. Toxicological Information

**Acute Exposure** Theoretical oral LD<sub>50</sub> for the product is greater than 25 g/kg (oral/rat). The LD<sub>50</sub> (dermal) has not been determined.

<b>Chronic Exposure:</b>	See Section 3.
<b>Exposure Limits:</b>	See Section 2.
<b>Irritancy:</b>	See Section 3.
<b>Sensitization:</b>	See Section 3.
<b>Carcinogenicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Synergistic products:</b>	None reported.

## 12. Ecological Information

**Environmental toxicity:** No data available.

**Biodegradability:** No data available.

## 13. Disposal Considerations

**Canadian Environmental Protection Act:** All ingredients are listed on the DSL. Dispose according to all local, provincial and federal requirements.

## 14. Transport Information

**Canadian Transportation of Dangerous Goods Regulations:** Not regulated.

**International Air Transport Association (IATA):** Not regulated.

**International Maritime Organization (IMO):** Not regulated.

## 15. Regulatory Information

### Canadian Federal Regulations:

**Canadian Environmental Protection Act:** All ingredients are on the Domestic Substances List.  
**WHMIS Classification:** Not a controlled substance.

## 16. Other Information

**Original Preparation Date:** May 27, 2008

**Prepared by:** Kel-Ex Agencies Ltd., P.O. Box 52201, Lynnmour RPO, North Vancouver, BC, Canada,  
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Comments: This Material Safety Data Sheet was prepared using information provided by Agrinova Consulting Inc. and CCINFO. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Agrinova Consulting Inc., expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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**Revisions:** None

