Material Safety Data Sheet

SECTION 1	IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Names:	Fibre Strands, Fibre Braid
Other Names / Product Code(s):	FFS-1000, FFB-500
Recommended Use:	Reinforcing fibres for use in dental restorations and prostheses.
Supplier Name:	Biodental Technologies Pty Ltd
Supplier Address:	1/8 Binalong Way, Macksville, NSW 2447, Australia
Supplier Telephone:	+61 2 9482 1888
Supplier Fax:	+61 2 9482 1875
Supplier email:	info@biodentaltech.com
Emergency telephone:	+61 2 9482 1888 from 09:00 – 17:00, Mon-Fri. Eastern Australia time zone.

SECTION 2	HAZARDS IDENTIFICATION

Hazard Classification:	Not classified as hazardous according to criteria of NOHSC
Risk Phrase(s):	None applicable
Safety Phrase(s):	None applicable

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Plasma treated polyethylene fibres	9002-88-4	100%

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SECTION 4	FIRST AID MEASURES

Eye contact:	None required
Skin contact:	None required
Ingestion:	None required
Inhalation:	None required
First Aid facilities:	Normal washroom facilities.
Advice to Doctor:	Polyethylene fibres are biocompatible.

SECTION 5	FIRE FIGHTING MEASURES

Extinguishing Media:	Material is not flammable or combustible. Use a fire extinguisher appropriate for the surrounding environment.
Hazards from combustion products:	Non-flammable and non-combustible but may release toxic gases.
Special protective precautions and equipment for fire fighters:	No special precautions under normal circumstances. Wear self-contained breathing apparatus and full protective clothing to minimize skin exposure if large quantities are involved.

SECTION 6	ACCIDENTAL RELEASE MEASURES

Emergency procedures:	None required.
Methods & materials for containment & clean up:	Sweep up with brush & pan.

SECTION 7	HANDLING AND STORAGE

Precautions for safe handling:	None required.
Conditions for safe storage:	Store at room temperature

SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	No exposure standards have been established for this material by the National Occupational Health & Safety Commission. However polyethylene is commonly used for medical implant and prostheses and hence can be considered safe under all normal circumstances.
Biological limit values:	No Biological limits have been allocated for this material.
Engineering controls:	None required.
Personal protective equipment:	None required.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White fibres as either strands or braids
Odour:	None
pH:	Not applicable.
Vapour pressure:	Not available
Vapour density:	Not available
Boiling point/range:	Not available
Freezing/melting point:	Melts at 165 ^{o} C
Solubility:	Limited solubility in most liquids
Specific gravity or density:	Approx. 1 g cm^{-3}
Flash point:	Not applicable
Upper & lower flammable limits in air:	Not relevant
Ignition temperature:	Not relevant

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Do not heat to more than 60 ^{o} C
Incompatible materials:	None under normal circumstances
Hazardous decomposition products:	Not relevant under normal conditions of use.
Hazardous reactions:	Not relevant under normal conditions of use.

SECTION 11 TOXICOLOGICAL INFORMATION

Health effects from likely routes of exposure:	None known for any of the likely routes of exposure.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data are available for this material.
Persistence and degradability:	No data are available for this material.
Mobility:	No data are available for this material.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and containers:	There are no special requirements except that waste should be disposed of in accordance with Federal, EPA, State and local regulations.
Special precautions for landfill or incineration:	Not relevant.

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SECTION 14	TRANSPORT INFORMATION

UN Number:	None allocated
UN Proper shipping name:	None allocated
Class and subsidiary risk:	None allocated
Packing Group:	None allocated
Special precautions for user:	None allocated
Hazchem code:	Not classified as a Dangerous Good.

SECTION 15	REGULATORY INFORMATION

Regulatory status:	The product is a medical device under Australian regulations and is a medical device according to the EC-directive 94/43/EEC.

SECTION 16	OTHER INFORMATION

Date of preparation or last revision:	February 2010

END OF MSDS