



Material: FTL175 Health & Safety

Composition / Information On Constituents

This product is a moulded material made up of both natural and man-made fibres mixed with a propriety friction resin which is fully cured. It contains no asbestos and no lead.

Cement Compound

Chemical/ Material	% by weight
NBR rubber system & Phenolic Resin	25
Fibres	15
Fillers	40
Modifiers	20

Hazards Identification

During its use this product will generate an amount of dust which will contain glass fibre particles. These may cause irritation to the skin and eyes on contact.

The maximum exposure for the dust generated either in operation or machining is 5mg/m³ or 2f/ml.

If the dust enters the eyes treatment may be required.

First Aid Measures

In the event of dust entering the eyes they must be flushed with copious amounts of cold water. Should skin irritation occur whilst working with this product, wash the effected area with soap and water.

Fire-Fighting Measures

The product itself presents no fire risk. If however a fire occurs in the vicinity, then extinguish with water if safe. Decomposition/ combustion products produced are carbon monoxide.

Accidental Release Measures

The very nature of this product, and others within the range is such that accidental release is if not impossible, unlikely and non-hazardous.

Handling & Storage

The usual precaution for manual handling ie. the wearing of good quality fabric gloves, must be observed. The material can be stored in any dry place.

Exposure Control / Personal Protection

When replacing worn linings, dust will be present, therefore the measures as stated in the section 16 must be adhered to.

Physical & Chemical Properties

Appearance:

This material is a solid moulded material made up of natural and man-made short fibres. It is impregnated with a propriety friction resin which is fully cured and brown/ grey in colour.

Boiling point:

The material has no boiling point, melting point, or flash point.

Flammability:

FTL175 is not a flammable material, does not have a potential for autoflammability and will not explode.

Oxidising properties:

FTL175 will not oxidise

Solubility:

FTL175 is not soluble in water or fat.

Stability & Reactivity

FTL175 will remain stable when used for the purposes it was designed for and will not react adversely in any conditions.

Toxicological Information

Oral LD50, Dermal LD50, and Inhalation LD50 levels are such that there is nothing adverse in this product.

Ecological Information

The range of products produced by Friction Technology is such that they cannot have any known effect (behavioural or environmental) that can be reasonably foreseen.



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Disposal Considerations

FTL175 and its packing may be disposed of with industrial waste. Local authorities should be consulted as to statutory notifications required. It is considered safe to dispose of this material in any landfill sites according to local category/waste number.

Transport Information

FTL175 may be transported safely whilst being wrapped or boxed as supplied by the manufacturer. There are no labelling requirements.

Regulatory Information

As a general precaution, eye protection suitable for dust, a non-toxic particle mask should be worn if the product is to be cut or drilled. Gloves should be worn when handling. Dust levels must be kept below 5mg/m³ (2f/ml).

Other Information

Friction materials contain fibres and a tiny portion of the dust collected in used brake/ clutch parts will be free fibrous materials. To prevent dust particles from becoming airborne always use the following safety practices:-

When replacing worn linings remove the accumulated dust by using an industrial vacuum cleaner fitted with a high efficiency filter system. Alternatively, wipe down the components with a damp cloth.

Do not use compressed air or dry brushing to remove dust from clutch parts.

When further processing new linings prior to workshop fitting, eg. drilling, always employ the use of local exhaust equipment where available. If not available use an industrial vacuum cleaner.

Where sweeping is necessary, use a dust suppressant or water.

The appropriate personal protection should be worn wherever required.

Personnel who are expected to work with friction lining materials must be trained in its safe handling and where necessary must be instructed in the use of personal protection equipment