



M-FIL CHEMICAL SAFETY DATA SHEET

JANUARY 2001

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: M-FIL

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2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION

High alumina fibre.

Fibre composition : 80% Aluminium Oxide / 20% silica

EEC No. : 215-691-6

HAZARDOUS INGREDIENT(S)	CAS No.	Symbol	R Phrases
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Contains no Hazardous Ingredients in accordance with EC Directive 93/112/EEC.

3. HAZARDS IDENTIFICATION

Low toxicity.

May cause transient irritation of the skin, nose and throat.



4. FIRST-AID MEASURES

- Inhalation : Remove patient from exposure.
- Skin Contact : Remove contaminated clothing. Wash skin with water. If symptoms (irritation or blistering) persist obtain medical attention. Contaminated clothing should be laundered before reissue to remove this substance.
- Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.
- Ingestion : Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention if ill effects occur.

Further Medical Treatment

Unlikely to be required but if necessary treat symptomatically.

5. FIRE-FIGHTING MEASURES

Non-combustible.

Extinguishing Media: As appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Ensure suitable personal protection (including a suitable dust mask) during removal of spillages. Protect against dust. Collect using a high efficiency vacuum cleaner.
If vacuum cleaner is unavailable: Moisten spillages with water. Clear up spillages. Transfer to a lidded container for disposal.

7. HANDLING AND STORAGE

7.1 HANDLING

Atmospheric concentrations should be minimised and kept as low as reasonably practicable below the occupational exposure limit.
After handling it is recommended that exposed areas of skin are rinsed with water.

7.2 STORAGE

Packaging should be kept closed and intact to reduce the possibility of releasing dust.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing, gloves and eye/face protection. Loose fitting longed sleeved clothing is recommended. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. A suitable dust mask should be worn if exposure to levels above the occupational exposure limit is likely. The selection of a suitable mask will depend upon the likely atmospheric concentration and the performance data of the mask. Check with protective equipment manufacturer's data. Contaminated clothing should be laundered before reissue to remove this substance.

Occupational Exposure Limits

HAZARDOUS INGREDIENT(S)	LTTEL 8hr TWA ppm	LTTEL 8hr TWA mg/m ³	STEL ppm	STEL mg/m ³	Notes
Man-made Mineral Fibre	-	5	-	-	MEL

In addition to the MEL specified above, Man Made Mineral Fibre is also subject to a MEL of 2 fibres/ml

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: High alumina fibre (mullite composition).
Colour	: white
Odour	: odourless
Melting Point	: >2000 (Deg C)
Density	: 3.3 (g/ml)
Solubility (Water)	: insoluble
Solubility (Other)	: insoluble
Bulk Density	: 0.04 - 0.08 (g/ml)
Additional Properties	
Physical form:	: Staple fibre in bulk or mat form. Typically, median fibre diameter around 3 microns, with less than 1% by number less than 1 micron diameter.

10. STABILITY AND REACTIVITY

Hazardous Reactions: None known.

Hazardous Decomposition Product(s): None

11. TOXICOLOGICAL INFORMATION

Inhalation	: Dust may be irritant to the nose and throat.
Skin Contact	: May cause skin irritation in sensitive individuals.
Eye Contact	: May cause physical irritation.
Ingestion	: Low oral toxicity. Unlikely to cause harmful effects under normal conditions of handling and use. Long Term Exposure
Long Term Exposure	: This product does not contain crystalline silica. The fibre possesses similar physical properties to other polycrystalline high alumina fibres for which there is no evidence of fibrogenicity or carcinogenicity.



12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

Solid with low volatility. The product is essentially insoluble in water. The product has no potential for bioaccumulation. The product has no mobility in soil.

Persistence and Degradation

The product shows no evidence for biodegradability in water. The product shows no evidence for biodegradability in soil.

Toxicity

Unlikely to be hazardous to aquatic life.

Effect on Effluent Treatment

Unlikely to have any significant effects on effluent treatment.

13. DISPOSAL CONSIDERATIONS

Bury on an authorised landfill site.

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

15. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.

Product packaging labelling:

Handling advice - Working with this product may cause temporary irritation of the skin, nose and throat.

When Handling - Loose-fitting long sleeved clothing, gloves and eye protection are recommended. If dust is generated wear suitable dust mask.

After Handling - Rinse exposed areas of skin with water. Wash work clothes separately.

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 93/112/EC. Information in this publication is believed to be accurate and is given in good faith, but it is for the Customer to satisfy itself of the suitability for its own particular purpose. Accordingly, Saffil Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

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MEL: Maximum Exposure Limit (UK HSE EH40)

