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## **MATERIAL SAFETY DATA SHEET** (EUROPEAN ACCORDING TO 2001/58/EC)

**MSDS NUMBER: FF130**  
**DATE OF ISSUE: APRIL 2005**

**REVISION:**  
**DATE OF LAST REVISION:**

### **MINERAL FIBRE PRODUCTS** (GRADE FF130)

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

- 1.1 CHEMICAL PRODUCT MINERAL FIBRE SERIES FF130.
- 1.2 APPLICATION REFRACTORY PRODUCT FOR FIRE PROTECTION OF LUMINAIRES.
- 1.3 COMPANY IDENTIFICATION TENMAT LIMITED  
ASHBURTON ROAD WEST  
TRAFFORD PARK  
MANCHESTER, M17 1 RU, UK
- 1.4 EMERGENCY TELEPHONE  
NUMBER + 44 (0)161 872 2181, +44 (0)161 955 2446 – (24 HOURS)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1 CHEMICAL DESCRIPTION FF130 IS EXONERATED MINERAL FIBRE BLENDED WITH COLLOIDAL SILICA AND AN ADDITIONAL ORGANIC LATEX. WHEN HANDLING THE PRODUCT, FIBRE DUSTS ARE RELEASED. BECAUSE OF THEIR HIGH BIOSOLUBILITY, THESE DUSTS ARE NOT CLASSIFIED AS CARCINOGENIC CATEGORY 1, 2 OR 3 (SUSPECTED CARCINOGENIC POTENTIAL).
- 2.2 HAZARDOUS INGREDIENTS
- | <u>INGREDIENT</u> | <u>CAS NO</u> | <u>WT %</u> |
|-------------------|---------------|-------------|
| COLLOIDAL SILICA  | 7631-86-9     | 10          |

### 3. HAZARD IDENTIFICATION

"CONTAINS RESPIRABLE FIBRES. CAN CAUSE SKIN IRRITATION". HIGH DUST LEVELS MAY IRRITATE THE THROAT AND EYES.

### 4. FIRST AID MEASURES

- 4.1 EYE CONTACT GENTLY IRRIGATE WITH CLEAN WATER FOR AT LEAST 15 MINUTES. MOVE EYEBALL AND KEEP EYELIDS WIDE OPEN AND APART WHILST IRRIGATING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
- 4.2 SKIN CONTACT IF POSSIBLE VACUUM EXCESSIVE DUST FROM CLOTHES AS WELL AS SKIN, HAIR ETC. WASH AND CLEAN CONTAMINATED SKIN WITH SOAP AND CLEAN WATER.
- 4.3 INGESTION IT IS NOT NORMALLY CONSIDERED THAT MINERAL FIBRE PRODUCTS WILL BE INGESTED, BUT IF SMALL QUANTITIES ARE INGESTED SEEK MEDICAL ADVICE.



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### 4. FIRST AID MEASURES (Continued)

- |                |  |
|----------------|--|
| 4.4 INHALATION | AVOID BREATHING DUST. IF BREATHING DIFFICULTIES EXPERIENCED WHILST MACHINING, REMOVE TO FRESH AIR AND SEEK MEDICAL ADVICE. |
|----------------|--|

### 5. FIRE FIGHTING MEASURES

- |                               |  |
|-------------------------------|--|
| 5.1 EXTINGUISHING MEDIA       | IS NOT FLAMMABLE THEREFORE NOT APPLICABLE. |
| 5.2 FIRE AND EXPLOSION HAZARD | NOT APPLICABLE.                            |
| 5.3 PROTECTION MEASURES       | NOT APPLICABLE.                            |

### 6. ACCIDENTAL RELEASE MEASURES

- |                          |  |
|--------------------------|--|
| 6.1 PERSONAL PRECAUTIONS | PROTECTIVE CLOTHING SHOULD BE PROVIDED FOR WORKERS WHEN A SIGNIFICANT QUANTITY OF FIBRES ARE LIABLE TO BE DEPOSITED ON THEIR CLOTHING. CLOTHES SHOULD BE CLEANED BY A SUITABLE ORGANISATION.   |
| 6.2 ENVIRONMENTAL        | DUST FROM MINERAL FIBRE PRODUCTS SHOULD BE REMOVED BY VACUUM, IN A DIRECTION AWAY FROM THE OPERATOR, AT FREQUENT INTERVALS DURING WORK TO PREVENT THE ACCUMULATION OF DUST. WHERE VACUUMING IS NOT POSSIBLE THEN THE DUST MUST BE DAMPENED AND COLLECTED WHILST STILL DAMP. ALL DUST AND HARD WASTE SHOULD BE PLACED IN DOUBLE IMPERMEABLE, HEAVY GAUGE POLYTHENE SACKS OR BAGS WHICH SHOULD THEN BE SEALED. SUCH WASTE MUST BE DISPOSED OF AT AN AUTHORISED WASTE DISPOSAL SITE. OFF-CUTS SHOULD BE DISPOSED OF IN THE SAME MANNER. |
| 6.3 CLEANING UP          | SEE SECTION 6.2. INDUSTRIAL TYPE VACUUM CLEANERS FITTED WITH 'H' TYPE FILTERS AND SUITABLE BAGS MUST BE USED.  |

### 7. STORAGE AND HANDLING

- |                            |  |
|----------------------------|--|
| 7.1 STORAGE                | ITEMS SHOULD BE PACKED TO PREVENT MOVEMENT, ABRASION DURING TRANSIT AND ABSORPTION OF WATER. OTHERWISE NORMAL SAFE PRECAUTIONS FOR HANDLING CAN BE EMPLOYED. TO AVOID DAMAGE AND DISTORTION, STORE ON A SMOOTH LEVEL FOUNDATION. |
| 7.2 RECOMMENDED SHELF LIFE | MINERAL FIBRE PRODUCTS ARE CHEMICALLY STABLE AND THERE IS NO HAZARD UNDER NORMAL STORAGE CONDITIONS.   |





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### 7. STORAGE AND HANDLING (Continued)

#### 7.3 HANDLING

ALL MACHINING WILL CREATE DUST, A PORTION OF WHICH MAY BE IN THE FORM OF RESPIRABLE FIBRES. WHERE THE AMOUNT OF DUST PRODUCED IS LIKELY TO EXCEED THE CONTROL LIMIT, APPROVED EXTRACTION EQUIPMENT MUST BE USED AND IF THIS IS NOT ADEQUATE, APPROVED DUST RESPIRATORS USED IN THE VICINITY. A SMALL PROPORTION OF PERSONNEL MAY BE SENSITIVE TO THE DUST AND DEVELOP A SKIN IRRITATION WHEN IN CONTACT WITH IT.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 OCCUPATIONAL EXPOSURE LIMITS

MAN-MADE FIBRES CAN CAUSE IRRITATION OF THE SKIN AND EYES AND EXCESSIVELY DUSTY CONDITIONS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT. THEY CONTAIN FIBRES WHICH CAN BE BREATHED INTO THE LUNGS.

#### CHEMICAL

#### MEL/OES

COLLOIDAL SILICA

6 mg/m<sup>3</sup> total inhalable, 2.4 f/ml Respirable (OES)

EXONERATED MINERAL FIBRES

5 mg/m<sup>3</sup> respirable, 2 f/ml 8 hour TWA (MEL)

#### 8.2 ENGINEERING MEASURES

FIT AND USE APPROVED EXTRACTION SYSTEMS. LOCAL VENTILATION FOR MACHINING AREAS. IF DUST LEVELS ARE LIKELY TO EXCEED ACTION LIMIT, APPROVED RESPIRATORS MUST BE USED.

#### 8.3 PERSONAL PROTECTIVE

RESPIRATORY PROTECTION - SEE 8.2.  
HAND PROTECTION - GLOVES CAN BE USED IF DESIRED BUT THEY SHOULD NOT BE USED WITH ROTATING EQUIPMENT. BARRIER CREAM CAN BE USED.  
EYE PROTECTION - USE APPROVED EYE PROTECTION WHILST MACHINING.  
SKIN PROTECTION - NOT APPLICABLE, HOWEVER TO AID PERSONAL HYGIENE SUITABLE OVERALLS CAN BE WORN.

### 9. PHYSICAL/CHEMICAL PROPERTIES

#### 9.1 APPEARANCE

ALL MINERAL FIBRES ARE BEIGE AND FIBROUS IN APPEARANCE.

#### 9.2 ODOUR

N/A

#### 9.3 PH

N/A

#### 9.4 VISCOSITY

N/A

#### 9.5 FREEZING POINT

N/A

#### 9.6 FREEZE THAW RECOVERY

N/A

#### 9.7 BOILING POINT

N/A



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### 9. PHYSICAL/CHEMICAL PROPERTIES (Continued)

9.8 MELTING POINT	N/A BUT SEE MAXIMUM WORKING TEMPERATURE IN TENMAT's TECHNICAL BROCHURES.
9.9 FLASH POINT	N/A
9.10 AUTO-FLAMMABILITY	N/A
9.11 EXPLOSIVE PROPERTIES	N/A
9.12 VAPOUR PRESSURE	N/A
9.13 VAPOUR DENSITY	N/A
9.14 RELATIVE DENSITY	200 kg/m <sup>3</sup>
9.15 SOLUBILITY	NOT SOLUBLE IN WATER
9.16 PARTITION COEFFICIENT	N/A

### 10. STABILITY AND REACTIVITY

10.1 STABILITY	CONSIDERED STABLE UNDER RELATIVELY HIGH TEMPERATURES AND PRESSURE, CONSULT TENMAT FOR APPLICATION SUITABILITY BEFORE USE. IF EXPOSED TO OTHER CHEMICALS REACTIVITY MUST BE CHECKED BEFORE USE.
10.2 CONDITIONS TO AVOID	INCOMPATIBLE CHEMICALS.
10.3 MATERIALS TO AVOID	CONSULT TENMAT.
10.4 RECOMMENDED MATERIALS FOR EQUIPMENT	NO SPECIAL REQUIREMENTS.
10.5 HAZARDOUS DECOMPOSITION PRODUCTS	LOOSE MINERAL FIBRE.

### 11. TOXICOLOGICAL INFORMATION

11.1 SHORT TERM EFFECTS	EYE CONTACT -	IRRITATION
	SKIN CONTACT -	IRRITATION MAY OCCUR, OFTEN ON FIRST EXPOSURE TO PRODUCT.
	INGESTATION -	N/A
	INHALATION -	NOSE AND THROAT IRRITATION.
11.2 CHRONIC EFFECTS	AS MINERAL FIBRES ARE RESPIRABLE AND MAY BE RETAINED IN THE LUNGS, THERE IS THE POSSIBILITY OF LONG TERM DAMAGE FROM EXPOSURE TO HIGH LEVELS OF DUST. HOWEVER EXONERATED MINERAL FIBRES ARE MUCH MORE BIOSOLUBLE AND WILL DISAPPEAR EVEN MORE RAPIDLY THAN THE TRADITIONAL TYPES.	



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### 12. ECOLOGICAL INFORMATION

12.1LC50	N/A.
12.2COD	N/A.
12.3BOD	N/A
12.4OTHER	MINERAL FIBRE PRODUCTS WILL ENDURE IN THE GROUND.

### 13. DISPOSAL CONSIDERATIONS

ALL MINERAL FIBRE PRODUCTS WASTE MUST BE DISPOSED OF AT AN AUTHORISED SITE SUITABLY PACKED AND LABELLED AS ALREADY INDICATED IN SECTION 6.2.

### 14. TRANSPORT INFORMATION

14.1 PACKAGING	SEE 7.1
14.2 FREIGHT CLASSIFICATION	UN NUMBER - N/A
	ADR NUMBER - N/A
	IMDG CODE - N/A
	PACKING GROUP - N/A
	TREM CARD - N/A

### 15. REGULATORY INFORMATION

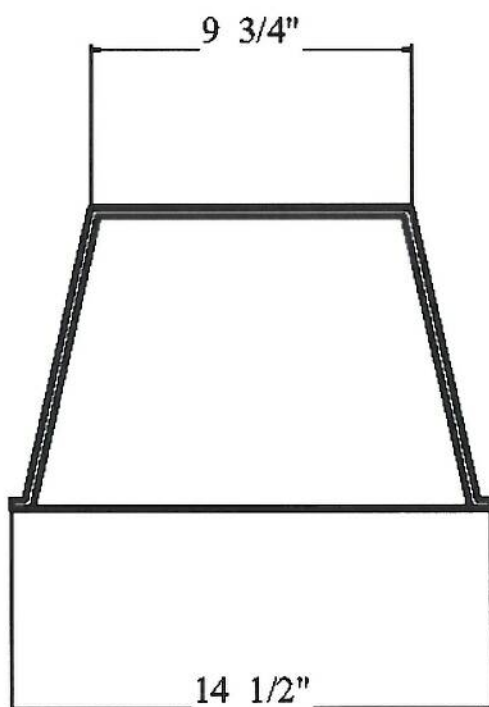
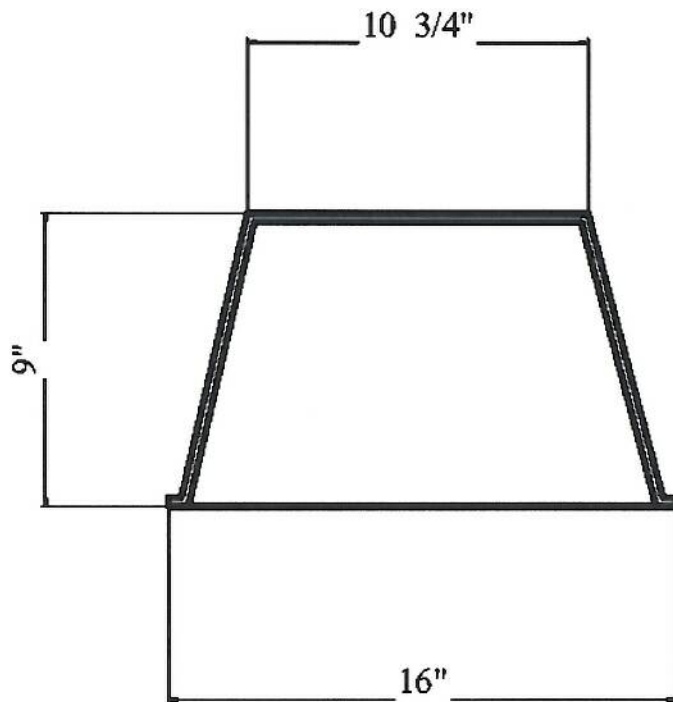
15.1C.P.L CLASSIFICATION	NONE (AS SUPPLIED CONDITION). RISK PHRASES - NONE. SAFETY PHRASES - NONE.
15.2OTHER LEGISLATION	HEALTH & SAFETY AT WORK ACT 1974.
15.3ADDITIONAL GUIDANCE	IF YOU PLAN TO CARRY OUT ANY CUTTING, SAWING, DRILLING, MACHINING OR SIMILAR ACTIVITIES PLEASE REFER TO SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION.

### 16. OTHER INFORMATION



LC-915

## MODEL FF130E Recessed Light Cover



Model Number	Outside Height	Outside Length	Outside Width
FF130E	9"	16"	14 1/2"

### Performance Data

#### For Use:

- Prevents insulation from coming in contact with recessed light fixtures.
- Can be used in conjunction with wide range of recessed lights.
- Compatible with sprayed foam insulation, low density foam, blown-in insulation and lay-in insulation.
- Suitable for attic spaces, ceiling spaces, insulated ceilings, and drop ceilings.

### General Information

#### Benefits:

- Fire Resistant.
- Energy Saving.
- Reduces draft problems.
- Prevents heat loss through the fixture.
- Reduces airflow from the outside.
- Added Flange for improved draftstopping capabilities.
- Enhances the acoustic protection of the ceiling.
- Prevents insects and other small animals from entering through the light.
- Lightweight (approx. 1 lbs.).
- Easy to fit without special tools.
- Maintenance free.

### Manufactured By

#### Tenmat Ltd

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\* All drawing sizes nominal