



FIREPROTECT

## Material Safety Data Sheet

### Protect-A-Shield

MSDS NUMBER: FP-01PAT

DATE OF LAST REVISION: 01/2013

#### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

##### IDENTIFICATION OF THE PRODUCT

The above product is a White fibrous material laminated with highly reflective reinforced aluminium foil.

Product is in sheet form in various widths and lengths.

FCL ceramic or FCL body soluble paper is used with our product FCL 007 to laminate the highly reflective reinforced aluminium foil to the paper.

##### USE OF PRODUCT

In any given situation where highly reflective light weight insulation is required.

##### IDENTIFICATION OF THE COMPANY

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

##### COMPOSITION

Chemical Constitution

COMPONANT	Conc.wt %	CAS Number
FCL paper	35-45	
Organic Binder	5-15	
FCL 007 adhesive	10-20	
Highly reflective reinforced aluminium foil	20-30	

### 3. HAZARDS IDENTIFICATION

**IRRITANT EFFECT:** Mild mechanical irritation to skin, eyes and upper respiratory system may result from exposure. These effects are usually temporary

**CHRONIC RESPIRATORY HEALTH EFFECTS:** RCF's have been classified by the EU as a category 2 carcinogen ("substances which should be regarded as if they are carcinogenic to man")

The International Agency for Research on Cancer (IARC) reaffirmed that group 2B ("possibly carcinogenic to humans") remains the appropriate classification for RCF.

Pre-existing skin and respiratory conditions including dermatitis, asthma or chronic lung disease, might be aggravated by exposure.

### 4. FIRST-AID MEASURES

**Eyes:** In case of eye contact flush abundantly with water; have eye bath available. Do not rub eyes.

**Skin:** In case of skin irritation rinse affected areas with water and wash gently. Do not rub or scratch exposed skin.

**Nose & Throat:** If these become irritated move to a dust free area, drink water and blow nose. If symptoms persist, seek medical advice.

### 5. FIRE FIGHTING MEASURES

FCL ceramic or FCL paper material itself is non-combustible. Also packing and surrounding materials may be combustible

Use extinguishing agent suitable for surrounding combustible materials.

### 6. ACCIDENTAL RELEASE MEASURES

Product should be used in a well ventilated area, with person(s) using product wearing appropriate protective equipment as detailed in section 8.

Any excess dust should be allowed to settle then vacuumed, using a High Efficiency Filter (HEPA)

**Do not brush.**

**Do not use compressed air to clean**

Do not flush spillage to drain and prevent from entering natural water courses.

Check for local regulations, which may apply

### 7. HANDLING AND STORAGE

**Handling:** Keep dust generation to a minimum by keeping product in its sealed packaging until required for use.

**Storage:** Store in a dry, cool allocated area. Keep in original wrapping until required for use.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Exposure Limits:** Exposure limits may differ from country to country. Check those currently applying in your country and comply with local regulations

**Examples of exposure limits in January 2002 are given below:**

United Kingdom	2.0 f/ml	HSE EH40 Maximum Exposure Limit
Germany	0.5 f/ml	TRGS 900
France	0.6 f/ml	Circulaire DRT no 954 du 12/01/95

**Respiratory Protection:** Disposable dust respirator (eg: 3M 8810 or equivalent)  
**Hand Protection:** Use of gloves is recommended  
**Skin Protection:** Wear overalls that are loose fitting at the neck and wrists.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Melting Point:	1200 °C
Explosive Limits:	None
Density:	150 – 300kg/m <sub>3</sub>

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Exposure to strong oxidising agents, strong alkalis and hydrofluoric acid.

**Hazardous Decomposition:** Combustion products are H<sub>2</sub>O, CO, CO<sub>2</sub>, NO<sub>x</sub> and hydrocarbons.

## 11. TOXICOLOGY INFORMATION

**Inhalation:** Irritating to the upper respiratory system  
**Skin Contact:** Mechanical Irritant to skin  
**Eye Contact:** May cause irritation to eyes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The product will remain stable over time with the inorganic components remaining inert.

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** RCF is categorised as a stable non-reactive hazardous waste, which can generally be disposed of at landfill, which has been licensed for this purpose. Please refer to the European list (Decision no 2000/532/CE as modified) to identify your appropriate waste number, and insure national and or regional regulations are complied with.  
This does not apply when FCL body soluble paper is used.

### 14. TRANSPORT INFORMATION

Not classified as hazardous for transport

### 15. REGULATORY INFORMATION

**Classification:** Carcinogen Category 2 : Irritant (when FCL ceramic is used)

**Symbol:** **Attention:** This product contains Refractory Ceramic Fibres  
Based on animal tests, RCF may cause cancer by inhalation  
Mechanical irritant to skin  
Minimise dust  
See ECFIA code of practice and Material Data Sheet before use  
RCF has been classified as a category 2 carcinogen under European Directive 67/548

