

# COSHH REGULATIONS 1999 & EH 40/97

## MATERIAL SAFETY DATA SHEET

**PRODUCT:** Orcal or Gema Metal Ceiling Tiles

**SUPPLIER:** Armstrong World Industries Ltd  
Building Products Division  
Armstrong House  
38 Market Square  
Uxbridge  
Middlesex UB8 1NG  
Telephone:01895 251122

### COMPOSITION:

Metal – (Steel, coated with zinc. Aluminium), Polyester/Resin, Titanium Dioxide, Aluminium Silicate Type Extender, Non-organic Solids

### HAZARD IDENTIFICATION:

No known fire hazards. Meets or exceeds the requirements for wall and ceiling linings in critical areas, such as escape routes and circulation spaces of buildings, as required by Building Regulations and determined by appropriate tests against BS 476.

Suitable gloves should be worn to protect against abrasions and cuts particularly when handling the product by its edges or when drilling or cutting the product.

If excessive dust occurs:

**Ingestion:** Give plenty to drink - if symptoms develop, seek medical attention.

**Skin Contact:** Rinse for at least 1 minute before washing thoroughly.

**Eye Contact:** Irrigate for at least 15 minutes - seek medical attention if symptoms persist.

**Inhalation:** Remove to fresh air

### FIRST AID MEASURES:

If excessive dust occurs:

**Ingestion:** Give plenty to drink - if symptoms develop, seek medical attention.

**Skin Contact:** Rinse for at least 1 minute before washing thoroughly. Apply recognised First Aid procedures as appropriate

**Eye Contact:** Irrigate with copious amounts of running water for at least 15 minutes - seek medical attention if symptoms persist.

**Inhalation:** Remove to fresh air. Prolonged and repeated contact may cause irritation



## **FIRE FIGHTING MEASURES:**

No known fire hazards. Meets or exceeds the requirements for wall and ceiling linings in critical areas, such as escape routes and circulation spaces of buildings, as required by Building Regulations and determined by appropriate tests against BS 476.

## **ACCIDENTAL RELEASE MEASURES:**

No specific requirement

If creating excessive dust respiratory protection such as a disposable mask should be worn.

## **HANDLING AND STORAGE:**

Store in dry conditions and do not expose to environments with a relative humidity greater than those recommended for particular products as stated in the product literature.

## **EXPOSURE CONTROLS/ PERSONAL PROTECTION:**

No specific requirement

## **PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	Solid
<b>Colour:</b>	White (some products are available with a decorative colour finish)
<b>Odour:</b>	None usually
<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	> 1600 °C
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	Not applicable
<b>Density:</b>	Not applicable
<b>Oxidising Properties:</b>	Manufactured from steel sheet protected by galvanising
<b>Vapour Pressure:</b>	Not applicable
<b>Explosive Properties:</b>	Not applicable

## **STABILITY AND REACTIVITY:**

Not applicable

**TOXICOLOGICAL INFORMATION:**

No known hazard

**ECOLOGICAL INFORMATION:**

No Environmental Risks

**DISPOSAL CONSIDERATIONS:**

During removal of waste products, any accumulated dust may constitute a nuisance and in these circumstances respiratory protection, such as a disposable mask should be worn.


**TRANSPORT CONSIDERATIONS:**

No special requirements

**REGULATORY INFORMATION:**

Reference: The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations (CHIPS 3 2002)  
Health and Safety at Work Act 1974  
EH 40/97 Occupational Exposure Limits 1997

**OTHER INFORMATION:**

If there are any queries please contact: Internal Technical Sales  
 0800 371849

Orcal (Metal) COSHH.doc  
September 2002

# MATERIAL SAFETY DATA SHEET

## (Approved Code of Practice to CHIP 2)

**PRODUCT:** Acoustic Fleece used in Armstrong Metal Ceilings

**SUPPLIER:** Armstrong World Industries Ltd  
Building Products Division  
Armstrong House  
38 Market Square  
Uxbridge  
Middlesex UB8 1NG  
Telephone: 01895 251122

### COMPOSITION:

Fibre: Cellulose/Glass, Bonding Agent: Acrylate Basis, Organic Pigments, Flameproofing Agent

### HAZARDS IDENTIFICATION:

None if used in accordance with the supplier's instructions.

### FIRST AID MEASURES:

No special measure required.

**Ingestion:** No special measures required.

**Skin Contact:** No special measures required.

**Eye Contact:** No special measures required.

**Inhalation:** No special measures required.

### FIRE FIGHTING MEASURES:

**Suitable Extinguishing Media:** All commonly used extinguishing media suitable although water and foam should be avoided when live electrical equipment is present.

**Unsuitable Extinguishing Media:** Not Applicable

**Exposure Hazards:** In the event of fire mainly CO<sup>2</sup> + CO are produced

**Protective Equipment for Fire Fighters:** In the event of fire, use breathing apparatus independent of the surrounding air

### ACCIDENTAL RELEASE MEASURES:

Not Applicable



## **HANDLING AND STORAGE:**

No special measures required.

## **EXPOSURE CONTROLS/ PERSONAL PROTECTION:**

No special measures required. Dust may be produced during cutting so the workplace must be properly ventilated

## **PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	<b>Non-woven fleece</b>
<b>Colour:</b>	Black
<b>Odour:</b>	None
<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	Insoluble
<b>Density:</b>	Approximately 305 kg/m <sup>3</sup>
<b>Oxidising Properties:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable
<b>Explosive Properties:</b>	Not applicable

## **STABILITY AND REACTIVITY:**

Not applicable

## **TOXICOLOGICAL INFORMATION:**

Given proper handling and intended use, no effects deleterious to health are to be expected as far as our experience and information available to us shows.

## **ECOLOGICAL INFORMATION:**

No known environmental risks. The material is recyclable.

## **DISPOSAL CONSIDERATIONS:**

Can be stored or incinerated together with household waste if appropriate.  
Disposal should be at an authorised landfill site in accordance with local or national controls.



## **TRANSPORT CONSIDERATIONS:**

No specific requirements.

## **REGULATORY INFORMATION:**

Specific labelling according to EEC Directives is not required.

Other references:

The Health and Safety at Work Act 1974

Control of Substances Hazardous to Health Regulations 1994 (COSHH)

The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2)

Approved Code of Practice to Chip 2

EH40/97 – Occupational Exposure Limits 1997

The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 1998

## **OTHER INFORMATION:**

The information contained herein is based on the present state of our knowledge and only describes the products in relation to their safety requirements. Recipients must take responsibility for following the recommendations given and for observing all applicable regulations and laws.

If there are any queries please contact:      Internal Technical Sales  
   ☎ 0800 371849

Acoustic Fleece COSHH.doc  
Created Jun 2001

# MATERIAL SAFETY DATA SHEET

## (Approved Code of Practice to CHIP 2)

**PRODUCT:** Premium Acoustic Infill Board

**SUPPLIER:** Armstrong World Industries Ltd  
Building Products Division  
Armstrong House  
38 Market Square  
Uxbridge  
Middlesex UB8 1NG  
Telephone: 01895 251122

### COMPOSITION:

Perlite, Starch, Clay, Mineral Wool, Paper Pulp, Binders, Stabilisers and with thin decorative coverings

### HAZARDS IDENTIFICATION:

None if used in accordance with the supplier's instructions. If creating excessive dust, which is at an occupational exposure level exceeding 5mg/m<sup>3</sup> (or 2 fibres/ml) of inhalable dust when averaged over an 8-hour time period, respiratory protection should be worn.

If excessive dust occurs:

**Ingestion:** May cause irritation and discomfort.

**Skin:** Prolonged and repeated contact may cause irritation.

**Eyes:** May cause transient irritation.

**Inhalation:** Dust may cause irritation in the respiratory tract.

No hazard is known of the long-term effects of over-exposure under conditions of good industrial hygiene.

### FIRST AID MEASURES:

**Ingestion:** Give plenty of liquids to drink - if symptoms develop, seek medical attention

**Skin Contact:** Thoroughly rinse and wash the affected area in clean water. If allergic reaction develops seek medical attention

**Eye Contact:** Irrigate thoroughly in clean water. If irritation persists seek medical attention.

**Inhalation:** Remove away from contamination to fresh air.



## **FIRE FIGHTING MEASURES:**

No known fire hazards. Meets or exceeds the requirements for wall and ceiling linings in critical areas, such as escape routes and circulation spaces of buildings, as required by Building Regulations and as determined by appropriate tests in accordance with BS 476. Water, foam, dry powder or CO<sup>2</sup> are suitable extinguishing media to combat fire involving the product although water and foam should be avoided when live electrical equipment is present.

## **ACCIDENTAL RELEASE MEASURES:**

No specific requirement.  
If creating excessive dust, respiratory protection should be worn.

## **HANDLING AND STORAGE:**

Store in dry conditions and do not expose to environments in which the relative humidity is greater than that recommended for particular products as stated in the product literature.

## **EXPOSURE CONTROLS/ PERSONAL PROTECTION:**

No specific requirement.

If creating excessive dust, suitable respiratory protection should be worn. Dune products sometimes shed small surface particles during installation and where the ceiling grid is subject to impact. Respiratory and eye protection is recommended in these circumstances. After prolonged contact wash hands thoroughly.

## **PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	<b>Solid</b>
<b>Colour:</b>	White (some products are available with a decorative colour finish)
<b>Odour:</b>	None usually
<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Solubility:</b>	If immersed in water the product may dissolve into its constituent parts.
<b>Density:</b>	Between 215 kg/m <sup>3</sup> and 400 kg/m <sup>3</sup> (dry) depending upon product type



**Oxidising Properties:** Not applicable

**Vapour Pressure:** Not applicable

**Explosive Properties:** Not applicable

**STABILITY AND REACTIVITY:**

Not applicable

**TOXICOLOGICAL INFORMATION:**

All Armstrong ceiling products, which contain mineral wool and are used on projects within the EU comply with the exemption from labelling provisions of EU Directive EN.97/69 for Man Made Mineral Fibres (MMMMF).

Armstrong ceiling products are manufactured from wool that is certified as bio-persistent in accordance with the directive. The use of certified bio-persistent wool replaces the need to provide information regarding fibre lengths and fibre diameters. The EU directive makes the need for this data unnecessary for these types of mineral wool fibres.

**ECOLOGICAL INFORMATION:**

No known environmental risks. The material is recyclable.

**DISPOSAL CONSIDERATIONS:**

Unnecessary breakage of the product should be avoided.

During removal of waste products any accumulated dust may constitute a nuisance and, in these circumstances, suitable respiratory protection should be worn.

Disposal should be at an authorised landfill site in accordance with local or national controls.

**TRANSPORT CONSIDERATIONS**

No specific requirements.

**REGULATORY INFORMATION:**

All Armstrong ceiling products, which contain mineral wool and are used on projects within the EU comply with the exemption from labelling provisions of EU Directive EN.97/69 for Man Made Mineral Fibres (MMMMF).

Other references:

The Health and Safety at Work Act 1974

Control of Substances Hazardous to Health Regulations 1994 (COSHH)

The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2)

Approved Code of Practice to Chip 2

EH40/97 – Occupational Exposure Limits 1997

The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 1998

**OTHER INFORMATION:**

The information contained herein is based on the present state of our knowledge and only describes the products in relation to their safety requirements. Recipients must take responsibility for following the recommendations given and for observing all applicable regulations and laws.

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☎ 0800 371849

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Created Jun 2001