

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product name</b>	<b>CELFIX</b>	
<b>Supplier</b>	H+H UK Limited Celcon House Ightham Sevenoaks Kent TN15 9HZ Tel: 01732 886333 Fax: 01732 886810	<i>Technical Department: Tel. 01732 880580 Fax. 01732 880581</i>

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Description:</b>	Thin joint mortar	
<b>Application:</b>	Proprietary mortar mix for use with H+H UK Limited Thin Joint System	
<b>Name</b>	<b>CAS No.</b>	<b>Classification / notes</b>
Silica sand		
Portland cement	65997-15-1	Contains Chromium VI
Limestone	1317-65-3	White microcrystalline powder
Additives		Blend of methyl cellulose derivatives and organic and inorganic additives
Vinyl acetate	108-05-4	R11

## 3. HAZARD IDENTIFICATION

Celfix should be treated in the same way as ordinary Portland Cement, which when mixed with water can cause alkali burns. Irritating to eyes, respiratory system and skin.

Caution – wet floors on which this powder is split may become very slippery.

Caution – avoid breathing dust



IRRITANT

## 4. FIRST AID MEASURES

<b>SKIN:</b>	Wash immediately with plenty of soap and water. Remove contaminated clothing and wash before reuse. Seek medical advice if skin irritation develops.
<b>EYES:</b>	Irrigate immediately with water for at least 10 minutes. If irritation persists seek medical attention.
<b>INGESTION:</b>	Do not induce vomiting. Drink plenty of water and seek medical attention.
<b>INHALATION:</b>	Remove to fresh air, rest and keep warm. If nose or airways become inflamed seek medical advice.

## 5. FIRE FIGHTING MEASURES

Non-flammable. Use extinguishing media suitable for surrounding fire.

Combustion products: carbon monoxide, carbon dioxide, steam and smoke.

Celfix poses no fire-related hazards. Celfix is a non-combustible and non-explosive material and will not facilitate nor support combustion of other materials. No need for specialist protective equipment for fire fighters.

**Note:** Vinyl acetate in high concentrations is Highly flammable, however levels within the Celfix mix are small and therefore represent no significant risk.

## 6. ACCIDENTAL RELEASE

Spillages should be either vacuum collected or dampened before physical recovery avoiding dust generation. Do not allow disposal into drains or sewers. Contaminated materials should not be used and should be safely disposed of according to local authority regulations.

Dust particles may also arise from handling packaged products or spillages and may cause irritation if allowed to enter the eyes, respiratory tract or contact with the skin. Where dust arises in the atmosphere, suitable eye, face, hand, respiratory and body protection should be employed by all persons involved in the operation, and the area ventilated so far as is reasonably practicable. Correct hygiene procedures should be followed before taking food, drink or smoking.

## 7. HANDLING AND STORAGE

The product should be stored under cover, and where shrink-wrapping is not present should be covered with a tarpaulin or polythene sheeting. Handling and storage areas should be dry, well-ventilated and dust levels kept to a minimum by regularly removing any dust build-up. Make provisions for disposal of paper and polythene in accordance with local authority regulations.

A 25 kg bag should be mixed with 4.4 litres of water, and adjusted for workability.

The product has a shelf-life of 12 months, a disposal date is printed on each bag, stock should be rotated to ensure use within this period.

See also under **Construction (Design and Management) Regulations**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limit (WEL):	10 mg/m <sup>3</sup> total inhalable dust, 4 mg/m <sup>3</sup> respirable dust based on 8 hour TWA. Refer to current EH 40 from the HSE for further guidance.
Personal Protective Equipment (PPE):	Suitable personal protective equipment, e.g. safety footwear, head, eye, face, hand and respiratory protection, should always be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Free flowing solid (powder or granulate), in 25 kg bags
COLOUR:	Light grey
ODOUR:	None
pH:	12 – 13 when mixed according to instructions
BULK DENSITY:	1400 kg/m <sup>3</sup> approx.
SOLUBILITY:	Soluble in water, insoluble in most polar solvents
AUTOFLAMMABILITY:	N/A
LOWER EXPLOSIVE LIMIT (LEL):	N/A

## 10. STABILITY AND REACTIVITY

STABILITY:	Product is chemically stable
REACTIVITY:	No hazardous chemicals are known to be formed during use of this product
CONDITIONS TO AVOID:	Damp conditions during storage

## 11. TOXICOLOGICAL INFORMATION

SKIN:	May cause alkali burns to skin when product is wetted during normal application. Prolonged direct contact with skin may cause severe alkali burns. Cement-based products may, until set, cause both irritant and allergic contact dermatitis. Irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasive nature of the constituent materials. Allergic contact dermatitis is caused mainly by the sensitivity of an individual's skin to chromium VI.
EYES:	Irritant and may burn eye tissue
INGESTION:	Contact with saliva may cause alkali burns to lips and mouth
INHALATION:	May cause inflammation of the mucous membranes

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL:	Overall environmental impact is regarded as insignificant. However, the addition of cements to water causes the pH to rise and may therefore be toxic to aquatic life in some circumstances.
MOBILITY:	Soluble in water
BIODEGRADABILITY:	No long-term ecological problem, slowly biodegradable

## 13. DISPOSAL CONSIDERATIONS

Dispose of surplus material and packaging via authorised waste contractor in accordance with local authority regulations. Do not allow to enter ground water, rivers, drainage and sewage systems.

## 14. TRANSPORT INFORMATION

Treat as non-hazardous product. Product should be sheeted or supplied in covered vehicles.

UN No:	None
IMO Classification:	None
ADR Classification:	None
IATA Classification:	None

## 15. REGULATORY INFORMATION

Irritant

Risk and Safety Phrases:	R 36/38 Irritating to eyes and skin R 11 Highly Flammable S 2 Keep out of reach of children S 24/25 Avoid contact with eyes and skin
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## 16. OTHER INFORMATION

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This data sheet does not constitute or serve as a substitute for the user's own assessment of the risks of using this product in the workplace. It is the purchaser's responsibility to ensure that the date given in this sheet is brought to the attention of anyone in their employ who are to handle or use this product. The advice given herein applies only when the product is used for the stated application.

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### **CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS:**

The following information is provided to assist clients, designers, planning supervisors and contractors in the discharge of their respective duties under the Construction (Design and Management) Regulations 1994.

For the purposes of formulating the Health and Safety Plan or File, it should be noted that the product is described as **Celfix** (Thin Joint Mortar).

**Celfix** (packed in 25 kg bags) is delivered to site by road vehicles, for which suitable access and egress should be available. Where such access and egress is not available, deliveries will be made to the nearest available suitable location, subject to agreement with the client.

**Storage:** Celfix bags may be stacked on suitable hard and level surfaces to a maximum height of 3 bags. If bags are palletised they should not be stacked more than 2 pallets high. Consideration should also be given to the handling equipment to be employed on site as to its suitability for the terrain and its safety limits in respect of load. Hand operated pallet trucks are generally not suitable unless pallets specific for this purpose are employed and loads do not exceed the limits of the pallet truck or its operator(s) in handling the load.

Care should be taken when opening packs that are wrapped or banded, to ensure that items do not fall or otherwise endanger persons handling or near them.

Celfix bags are either polythene or polythene lined and are marked with a disposal date, and the Celfix should not be used past the disposal date. All waste packaging materials should be disposed of in accordance with local regulations.

**Handling:** Celfix bags should be handled in accordance with the Manual Handling Regulations 1992 (as amended). This concludes that there is a high risk of injury to individuals repetitively handling loads in excess of 25 kg manually. Where individuals are required to repetitively manually handle loads of 25 kg or more, mechanical handling equipment should be employed to reduce risk of injury. Consideration should also be given to the handling equipment to be employed (see Storage above).

All persons are reminded that a suitable and sufficient assessment of risks must be made of all tasks to be carried out in accordance with the relevant Statutory and Regulatory requirements.

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***Disclaimer:** Every effort has been made to ensure the correctness of the information provided in this Material Safety Data Sheet which relates to the product described only, and which is supplied to product purchasers on the basis that we cannot guarantee its accuracy or completeness. Health and safety information provided in the Material Safety Data Sheet is intended for general guidance only, and it is the responsibility of the user to ensure that suitable and sufficient assessment of hazards and risks posed in the employment of any products are undertaken and to comply with any duties imposed by Statutory or Regulatory requirements. No statement made in this Material Safety Data Sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe any existing patents, nor is any warranty made, either expressed or implied.*

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