

Material Safety Datasheet (COSHH)

1. Identification of the substance/mixture and of the company/undertaking

Quelfire QF2 Fire Protection Compound

Supplied by:
 Quelfire Ltd
 Unit 3 Millbuck Way, Springvale Industrial Estate, Sandbach, CW11 3HT
 Tel no: 0161 928 7308 Email: sales@quelfire.co.uk

2. Hazardous Identification

Powders may irritate eyes or sensitive skin, dust may irritate respiratory system.

3. Composition/information on ingredients

Dry blended mixture of:

Gypsum Plasters:	Calcium Sulphate Hemihydrate
CAS Number:	10034-76-1
Graded Perlite Granules:	(below 10%)
CAS Number:	93763-70-3
Traces of modifying additives and pigment (below 1%)	
Gypsum based plasters are not classified hazardous under CHIP 2 Regulations 1994 (See Section 15).	

4. First Aid Measures

Inhalation:	Remove person to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water.
Eye Contact:	Wash eye with clean water for 10 mins, seek medical advice if irritation persists.
Ingestion:	Wash mouth out and drink plenty of water.
Please Note:	Should symptoms persist obtain medical assistance

5. Fire Fighting Measures

Quelfire QF2 Compound is non-combustible and inhibits the spread of flame.
 Paper packaging is combustible, extinguish with water etc.

6. Accidental Release Measures

Control and suppress dust formation, vacuum or sweep up the dust into bags.
 Prevent QF2 Compound contaminating drains and watercourses as a powder or slurry.
 Refer to Section 8 – Exposure/Protection and Section 13 – Disposal Considerations.

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7. Handling & Storage

Minimise and control dust when opening bags or mixing products.
 Avoid prolonged or repeated contact with QF2 Compound on the skin or eye contact.
 Wear protective clothing when mixing or working with powdered or wet compound mix.
 If handling manually, use the correct "Manual Handling Techniques".
 Protect from dampness and humidity in storage.

8. Exposure controls/personal Protection

OCCUPATIONAL EXPOSURE LIMITS

Substance:	Gypsum/plaster
Total Inhalable:	10 mg/m ³ 8 hr TWA OES
Total Respirable:	5 mg/m ³ 8 hr TWA
Substance:	Quartz (silica)
Total Inhalable:	0.4 mg/m ³ 8 hr TWA MEL
Refer to current edition of HSE EH40 Occupational Exposure Limits.	

PERSONAL PROTECTION

Respiratory: Control dust formation and ventilate the area of work. If dust cannot be controlled wear a half face mask to EN149 Class FFP1.
 Skin: To avoid prolonged or repeated wet contact wear impermeable gloves. To avoid skin contact wear protective overalls and footwear. To reduce the effect of skin contact apply a barrier cream to the hands.
 Eye: If powder or splashes are likely wear safety goggles to BS 2092.

9. Physical and chemical properties

Appearance: Powder, white or off white
 Odour: Odourless
 pH: Neutral
 Melting Point/Melting Range: 1000°C
 Flash Point: N/A
 Ignition Temperature: N/A
 Decomposition Temperature: Not determined

10. Stability and reactivity

Stable and unreactive. No hazardous decomposition products.

11. Toxicological information

Inhalation: Dust may irritate respiratory system, no known long term effects.
 Skin Contact: Prolonged contact with powder or wet mix may dry skin leading to irritation.
 Eye Contact: Powder or wet mix splashes may irritate by particulate in the short term.
 Ingestion: Ingestion is unlikely to cause any significant reaction or long term effect, but should be avoided.

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12. Ecological Information

Mobility: Very sparingly soluble in water, forms a suspension and solidifies within approximately one hour.

13. Disposal considerations

Dispose: At an authorised landfill site. In England, Northern Ireland and Wales dispose of to a separate cell for high sulphate waste. For other countries dispose of in accordance with local and national control regulations. Allow wet mixed plaster to go off before disposal. Do not wash mixed or dry plaster into drains or surface waters as this can cause water pollution.

14. Transport information

Not classified as hazardous for transport.

15. Regulatory information

Not classified as hazardous under CHIP 2 as amended by CHIP 96:- The Chemicals (Hazard Information and Packaging) Regulations 1994 as amended by the CHIP 96 (Amendment) Regulations 1996. Occupational Exposure Limits EH40, (reviewed and reprinted annually) The Control Of Substances Hazardous To Health (COSHH) Regulations 1994.

This Safety Data Sheet prepared in accordance with CHIP Regulations and Directive 91/155/EEC.

16. Other information

Recommended uses:-

Material for use only as fire stopping compound.

This information reflects typical values and is not a product specification.

No warranty is hereby expressed or implied.

Note to User:- This Safety Data Sheet does not constitute users' own workplace risk assessment.