

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Product name	QF2 Fire Protection Compound
Product Code(s)	QF2
Revision Date	01/04/2025
Revision number	03



SECTION 1: Identification of the substance/mixture and of the company / undertaking

1.1 Product Identifier

Product form	Article
Product name	QF2 Fire Protection Compound
Product Code	QF2
Type of Product	Construction products
Product group	Trade product

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Main use category	Professional use
Industrial/ Professional use spec	For professional use only
Use of the substance/ mixture	Construction and building materials

1.2.2 Uses advised against

In terms of site use, the product shall be used in accordance with technical guidance published by Quelfire

1.3 Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Unit 4 Spitfire Road Wardle Nantwich Cheshire CW5 6HT
Tel	0161 928 7308
Email	technical@quelfire.co.uk

1.4 Emergency Telephone Number

Emergency Telephone Number	(+44) 0161 928 7308
Language	English
Operating Hours	Monday – Friday 8am – 5pm GMT
Call 999 for Emergency. Call 111 for non-emergency medical advice	

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 2: Hazards Identification

2.1 Classification of the substance of mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Not Classified
Adverse physicochemical, human health and environmental effects	To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2 Label elements

Label according to Regulation (EC) No. 1272/2008 [CLP]	
EUH-statement	No labelling applicable

2.3 Other Hazards

No data available

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 3: Composition/information on ingredients

3.1 Substances

Name	Product Identifier	%	EINECS
Calcium Sulphate	(CAS No.) 7778-18-19	>80	231-900-3
Perlite	(CAS NO.) 93763-70-3	<21	N/A

3.2 Mixtures

Impurities	Contains <1% Organic substances
------------	---------------------------------

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 4: First aid measures

4.1 Description of first aid measures

General	If you feel unwell, seek medical advice
Skin contact	P264, P280 Wash skin thoroughly with soap and water
Eye contact	P305, P338, P351 Rinse with copious quantities of water and seek medical attention if irritation persists
Ingestion	P30, P330, P331 Rinse out mouth, do not induce vomiting
Inhalation	P264, P280 Move exposed person to fresh air immediately and seek medical advice if required.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/ effects after skin contact	There may be mild irritation at the site of contact
Symptoms/ effects after eye contact	There may be irritation and redness
Symptoms/ effects after ingestion	There may be irritation of the throat
Symptoms/ effects after inhalation	There may be irritation of the throat with a feeling of tightness in the chest.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 5: Fire-Fighting measures

5.1 Extinguishing media

Suitable Extinguishing Media	No specific extinguishing media is needed
-------------------------------------	---

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Non-Combustible. No hazardous thermal decomposition
---	---

5.3 Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
---------------------------------------	---

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

No special requirements

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Avoid dry sweeping and use vacuum cleaning systems where possible.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	Provide good ventilation in process area to prevent dust formation. Wear suitable PPE.
Hygiene measures	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep packaging closed when not in use. Protect from moisture
---------------------------	--

7.3. Specific end use(s)

No data available

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

United Kingdom WEL TWA (mg/m ³)	10mg/m ³
---	---------------------

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1 Appropriate engineering controls:

Ensure there is sufficient ventilation of the area

8.2.2 Personal protective equipment:

Dust formation: dust mask. Gloves, safety glasses

Respiratory protection:

In case of prolonged exposure to airborne dust concentrations, wear dust mask Type P2 or above

Hand Protection

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves					EN ISO 374

Eye Protection

Safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Personal protective equipment symbol(s):



8.2.3 Environmental exposure controls:

Avoid release into the environment

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Pink Powder
Odour	Odourless
Odour Threshold	No Data Available
pH	Neutral
pH solution	No Data Available
Relative evaporation rate (butylacetate=1)	No Data Available
Melting point	>1000°C
Freezing point	No Data Available
Boiling point	No Data Available
Flash point	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Flammability	No Data Available
Vapour pressure	No Data Available
Vapour pressure at 50°C	No Data Available
Relative vapour density at 20°C	No Data Available
Density	No Data Available
Solubility	No Data Available
Partition coefficient n-octanol/ water (Log Pow)	No Data Available
Viscosity, Kinematic	No Data Available
Relative vapour density at 20°C	No Data Available
Particle size	No Data Available
Particle size distribution	No Data Available
Particle shape	No Data Available
Particle aspect ratio	No Data Available
Particle aggregation state	No Data Available
Particle agglomeration state	No Data Available
Particle specific surface area	No Data Available
Particle dustiness	No Data Available

9.2. Other information

No data available

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 10: Stability and reactivity

10.1. Reactivity

Inert, not reactive

10.2. Chemical stability

Chemically stable

10.3. Possibility of hazardous reactions

No hazardous reactions

10.4. Conditions to avoid

Not relevant

10.5. Incompatible materials

No particular incompatibility

10.6. Hazardous decomposition products

Not relevant

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	No evidence of acute toxicity
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	May cause mechanical irritation
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	No evidence
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Based on available data, the classification criteria are not met

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	Not classified
Hazardous to the aquatic environment, short term (acute)	Not classified
Hazardous to the aquatic environment, long term (chronic)	Not classified
Not rapidly degradable	

12.2. Persistence and degradability

Not established

12.3. Bioaccumulative potential

Not established

12.4. Mobility in soil

Ecology - soil	No additional information available
----------------	-------------------------------------

12.5. Results of PBT and vPvB assessment

Not established

12.6. Endocrine disrupting properties

Not established

12.6. Other adverse effects

No specific adverse effects known

MATERIAL SAFETY DATA:
QF2 Fire Protection Compound



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/ container in accordance with licensed collector's sorting instructions
Additional information	Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 14: Disposal considerations

14.1. UN number or ID number

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable

No supplementary information available

14.2. UN proper shipping name

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable

No supplementary information available

14.3. Transport hazard class(es)

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable

No supplementary information available

14.4. Packing group

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable

No supplementary information available

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

14.5. Environmental hazards

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	Not Applicable

No supplementary information available

14.6. Special precautions for user

Overland Transport	Not Applicable
Transport by sea	Not Applicable
Air transport	Not Applicable
Inland waterway transport	Not Applicable
Rail transport	Not Applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not Applicable

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)	Not applicable.
REACH Annex XIV (Authorisation List)	Not applicable.
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (1005/2009)	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
Explosives Precursors Regulation (2019/1148)	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Drug Precursors Regulation (273/2004)	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

MATERIAL SAFETY DATA:

QF2 Fire Protection Compound

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of dangerous goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological Limit Value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community Number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

The above information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.