

MATERIAL SAFETY DATA SHEET

Product name	Quelfire QIF Insulated fire sleeve
Product Code(s)	QIF17, QIF21, QIF27, QIF34, QIF42, QIF48, QIF54, QIF60, QIF67, QIF76, QIF80, QIF89, QIF102, QIF108, QIF114, QIF127, QIF140, QIF159, QIF169
Revision Date	01/01/2021
Revision number	02

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

1.1. Product identifier

Product name	Quelfire QIF Insulated fire sleeve
Product Code	QIF17, QIF21, QIF27, QIF34, QIF42, QIF48, QIF54, QIF60, QIF67, QIF76, QIF80, QIF89, QIF102, QIF108, QIF114, QIF127, QIF140, QIF159, QIF169

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

Expands when heated to act as a fire stop. Main application is in fire protection.

1.3. Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Springvale Industrial Estate Millbuck Way Sandbach CW11 3HT
Tel	0161 928 7308
Fax	0161 924 1340
Email	technical@quelfire.co.uk

1.4. Emergency telephone number

Emergency telephone number 0161 928 7308 (Office hours only)

Section 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Not Classified
Classification according to directive 67/548/EEC or 1999/45/EC	Not Classified

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 [CLP]	Not Classified
Supplemental hazard information	These products contain low bio-persistence mineral fibres. These products are not hazardous in the form in which they are shipped by the manufacturer. However, they may produce low levels of fibre-containing dust as a result of downstream activities such as cutting.

2.3. Other hazards

Mild mechanical irritation to the skin, eyes and upper respiratory system may result from exposure, however any effects are usually temporary.

Section 3: Composition/information on ingredients

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3.1. Substances

Not applicable

3.2. Mixtures

These products are made from varying amounts of low bio-persistence mineral fibres, organic fibres and binders.

Section 4: First aid measures

4.1. Description of first aid measures

General	The main hazards arise from downstream activities such as cutting.
Skin contact	If possible, vacuum excessive dust from clothes as well as skin and hair. Wash and clean contaminated skin with soap and clean water. Clothes should be washed professionally.
Eye contact	In case of eye contact, irrigate abundantly with water. Seek medical attention.
Ingestion	If small quantities are ingested, seek medical advice.
Inhalation	Avoid breathing dust. If breathing difficulties are experienced whilst cutting, remove to fresh air or a ventilated area and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No symptoms expected.
Effects	No effects expected.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate/special treatment	Not applicable
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Section 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Suitable extinguishing media for the surrounding fire should be used.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	None
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5.3. Advice for fire-fighters

Advice for fire-fighters	Wear self-contained breathing apparatus. Wear proactive clothing to prevent contact with skin and eyes
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to section 8 'Exposure controls/ personal protection'.
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6.2. Environmental precautions

Environmental	Remove dust by using a vacuum cleaner fitted with 'H' type filters. Where vacuum cleaning is not possible, dampen down dust and collect whilst still damp. Suitable bags are required for disposal.
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6.3. Methods and materials for containment and cleaning up

Clean-up procedures	Dampen down any dust spillages as soon as possible and collect whilst damp.
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	Remove dust using a vacuum with 'H' type filters and suitable bags for containment. Dust should be packaged into impermeable plastic sacks which should be sealed. Such waste should then be disposed of according to local restrictions.
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6.4. Reference to other sections

Refer to section 8 'Exposure controls/ personal protection' and section 7 'handling & storage'
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Section 7: Handling and storage

7.1. Precautions for safe handling

Protective measures	No special protective measures are normally required
Advice on safe handling	Normal safe precautions for handling can be employed
Fire prevention	Products are not flammable
Aerosol and dust generation prevention	Small amounts of dust may be generated if products are allowed to abrade against each other.
Environmental precautions	No special precautions are required
Advice on general occupational hygiene	Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Both un-cut and cut products should be packed to prevent movement and abrasion during transit and to prevent absorption of water. Normal safe precautions for storage can be used. To avoid damage and distortion, store on a smooth level surface, in a fully supported position off the ground and in a dry place.
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7.3. Specific end use(s)

Specific end use(s)	No data available
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Section 8: Exposure controls/personal protection

8.1. Control parameters

Reference should be made to local and country-specific occupational exposure limits for dust and low bio-persistence mineral fibres. UK monitoring methods can be found as follow: MDHS 14/4 – General methods of sampling and gravimetric analysis of thoracic and inhalable aerosols MDHS 59 – Machine-made fibres airborne number concentration and classification by phase contrast light microscopy. NIOSH 0500 – Particulates not otherwise regulated, total. NIOSH 0600 – Particulates not otherwise regulated, respirable. NIOSH 7400 – Asbestos and other fibres by PCM.

8.2. Exposure controls

Engineering measures	Fit and use appropriate local exhaust ventilation systems for cutting and machine operations. Maintain a clean workspace using a vacuum cleaner.
Skin protection	Protective clothing
Respiratory protection	Not normally required. In case of prolonged exposure to airborne dust concentrations, wear dust mask Type P2 or above.
Hand protection	Appropriate protection (e.g., gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the

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	end of each work session.
Eye protection	Safety glasses

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Grey
Odour	Not applicable
Odour threshold	Not applicable
pH	Not applicable
Melting/ freezing point	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Upper explosive limit	Not applicable
Lower explosive limit	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	200kg/m ³
Solubility	Not soluble in water
Partition coefficient n-octanol/ water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No data available

Section 10: Stability and reactivity

10.1. Reactivity

Stable and no reactive

10.2. Chemical stability

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Stable and inert.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

Section 11: Toxicological information

11.1. Information on toxicological effects

Exposure is mainly due to low levels of dusts generated during downstream activities such as cutting. Low bio-persistence mineral fibres as used in these products have been developed to quickly and effectively cleared from lung tissues.

Acute inhalation toxicity	Nose and throat irritation
Skin irritation	Mild irritation
Eye irritation	Irritation
Respiratory or skin sensitisation	Irritation of both the respiratory tract and skin is by mechanical means and is not the result of an allergic reaction or chemical damage.

Section 12: Ecological information

12.1. Toxicity

Is insoluble in water and remains stable over time. The major constituents are similar in their chemical composition to naturally occurring materials and minerals.

12.2. Persistence and degradability

Not established

12.3. Bioaccumulative potential

Not established

12.4. Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/ vPvB substance

12.6. Other adverse effects

No data available

Section 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
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Waste treatment methods	Dispose of contents/ container in accordance with licensed collector's sorting instructions
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Section 14: Transport information

This product does not require a classification for transport
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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

Section 15: Regulatory information

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

EU Regulations	Reg (EC) No 1907/2006, 18 th December 2006 on Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH) Reg (EC) No 1272/2008, 20 th January 2009, on Classification, Labelling and Packaging of Substances and Mixtures (OJL 353). The 7 th Adaption of Technical Progress (ATP) to Regulation (EC) No 1272/2008 was published on 15 th July 2015
Worker protection	In accordance with the following directives and their amendments: Council Directive 89/391/EEC, 12 th June 1989 on the introduction of measures to encourage improvements in health and safety of workers at work. Council Directive 98/24/EC, 7 th April 1998 on the protection of workers from the risks related to chemical agents at work.

15.2. Chemical Safety Assessment

Chemical Safety Assessment	No chemical safety assessment has been carried out
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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 272/2008
EC-No.	European Community Number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

☎ 0161 928 7308	✉ sales@quelfire.co.uk	🌐 www.quelfire.co.uk
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MATERIAL SAFETY DATA SHEET

Other information	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. *indicates text in the SDS which has changed since last revision.
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.