

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: FOAMGLAS PC® 58 Component B

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

- Additive
- For professional use

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Quantum Insulation Ltd, Holland House, Valley Way, Rockingham Road
Market Harborough Leicestershire LE16 7PS

T: +44 1858 456018, F: +44 (0) 1858410572, sales@quantuminsulation.com

Further information obtainable from: www.quantuminsulation.com

1.4 Emergency telephone number:

During office hours tel: +44 (0) 1858410372. At all other times please contact National Poisons Centre 0844 892 0111 (UK only)

SECTION 2 Hazards identification**Classification according to Regulation (EC) No. 1272/2008 (CLP)****2.1 Classification of the substance or mixture**

Skin corrosion/irritation	Category 2 (H315)
Serious eye damage/eye irritation	Category 1 (H318)
Specific target organ toxicity (single exposure)	Category 3 (H335)

2.2 Label elements

Label elements according to (EC) N°1272/2008 (CLP) as amended.



Irritant



Corrosive

Hazard statements

H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

Signal word

Danger

Contains

Contains Cement, portland, chemicals; Potassium carbonate; Flue dust, portland cement. May produce an allergic reaction

Precautionary Statements

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P264	Wash face, hands and any exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405	Store locked up
P501	Dispose of contents/ container to an approved waste disposal plant

2.3 Other hazards

This cement product has been processed by a reduction agent to decrease chromium VI to < 0.0002% so skin sensitization (H317) is not applicable.

SECTION 3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC IDENT. NUMBER	CAS NUMBER	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)	REACH REG. NUMBER
Cement, portland, chemicals	266-043-4	65997-15-1	> 50	Skin Irrit 2 (H315) Skin Sens. 1 (H317) Eye Damage 1 (H318) STOTE-SE 3 (H335)	No data available
Potassium carbonate	209-529-3	584-08-7	2 - 5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOTE-SE 3 (H335)	No data available
Flue dust, portland cement	270-659-9	68475-76-3	1 - 2	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Damage 1 (H318) STOTE-SE 3 (H335)	No data available

Full text of H- and EUH-phrases: see section 16

SECTION 4 First aid measures

4.1 Description of first aid measures

First aider: Pay attention to self-protection!. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Inhalation:

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- If symptoms persist, call a physician

Skin contact:

- Take off contaminated clothing
- Wash with soap and water
- If symptoms persist, call a physician

Eye contact:

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
- Seek immediate medical attention/advice

Ingestion:

- DO NOT induce vomiting
- Get medical attention
- Clean mouth with water and drink afterwards plenty of water

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea
- Causes serious eye damage
- Causes burns
- Causes skin irritation
- May cause respiratory irritation

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:

Treat symptomatically.

SECTION 5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media:
- Alcohol resistant foam
 - Extinguishing powder
 - Water spray (fog)
 - Carbon dioxide (CO₂)

Unsuitable extinguishing media: Do not use straight streams

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Danger of dust explosions. Not flammable.

Hazardous combustion products Carbon oxides.

5.3 Advice for firefighters

Special protective equipment for fire-fighters Evacuate personnel to safe areas. Cool drums with water spray. Avoid release to the environment. Use personal protective equipment as required. In the event of fire, wear self-contained breathing apparatus. Knock down dust cloud with water spray.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions
- Use personal protective equipment as required
 - Evacuate personnel to safe areas
 - Ensure adequate ventilation, especially in confined areas
 - Avoid contact with skin, eyes or clothing
 - Avoid creating dust
 - Do not breathe dust
- For emergency responders
- Use personal protections recommended in Section 8
 - Have procedures in place for emergency decontamination

6.2 Environmental precautions

- Environmental precautions
- Do not allow into enter sewers, drains or waterways
 - Collect spillage

6.3 Methods and material for containment and cleaning up

- Methods for containment
- Prevent further leakage or spillage if safe to do so
- Methods for cleaning up
- Avoid creating dust
 - Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 Reference to other sections

- Reference to other sections
- See section 8 for more information
 - See section 13 for more information

SECTION 7 Handling and storage

7.1 Precautions for safe handling

General Handling

- Ensure adequate ventilation, especially in confined areas
- Use personal protective equipment as required
- Do not breathe dust/fume/gas/mist/vapors/spray
- Avoid contact with skin, eyes or clothing

General Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice
- Wash face, hands and any exposed skin thoroughly after handling
- Wash thoroughly before eating or drinking.
- Keep away from food, drink and animal feeding stuffs
- Take off all contaminated clothing and wash it before reuse
- Keep working clothes separately

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions:

- Keep away from water or moist air
- Store in a well-ventilated place. Keep cool

Packaging materials

- Do not reuse empty containers

Incompatible materials

- Water
- Acids
- Alloys
- Gives off hydrogen by reaction with metals. (Al, Zn, Cu, ...)

7.3. Specific end use(s)

Specific use(s)

No particular end use has been identified to date.

SECTION 8 Exposure controls/personal protection

Component	ACGIH	AUSTRALIA	AUSTRIA	BELGIUM	BULGARIA
Cement, portland, chemicals 65997-15-1 (> 50)	-	10 mg/m ³	TWA: 5 mg/m ³	1 mg/m ³ TWA (without asbestos fibers and <1% crystalline silicas), alveolar dust)	-
Flue dust, portland cement 68475-76-3 (1 - 2)	-	-	TWA: 5 mg/m ³	-	-
Component	CROATIA	CZECH REPUBLIC	DENMARK	FINLAND	FRANCE
Cement, portland, chemicals 65997-15-1 (> 50)	TWA: 10 mg/m ³ TWA: 4 mg/m ³	-	-	TWA: 5 mg/m ³ TWA: 1 mg/m ³	-
Potassium carbonate 584-08-7 (2 - 5)	-	TWA: 5 mg/m ³ Ceiling: 10 mg/m ³	-	-	-
Component	GERMANY	GREECE	HUNGARY	IRELAND	ITALY
Cement, portland, chemicals 65997-15-1 (> 50)	-	-	TWA: 10 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	-
Component	LATVIA	LITHUANIA	NETHERLANDS	NORWAY	POLAND
Cement, portland, chemicals 65997-15-1 (> 50)	TWA: 6 mg/m ³	-	-	-	TWA: 6 mg/m ³ TWA: 2 mg/m ³
Potassium carbonate 584-08-7 (2 - 5)	TWA: 2 mg/m ³	TWA: 2 mg/m ³	-	-	-
Component	PORTUGAL	ROMANIA	RUSSIA	SLOVAKIA	SLOVENIA
Cement, portland, chemicals 65997-15-1 (> 50)	Ceiling: 1 mg/m ³	WA: 10 mg/m ³	-	-	-
Potassium carbonate 584-08-7 (2 - 5)	-	-	MAC: 2 mg/m ³	-	-
Component	SPAIN	SWEDEN	SWITZERLAND	UNITED KINGDOM	
Cement, portland, chemicals 65997-15-1 (> 50)	TWA: 4 mg/m ³	-	TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	-

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration
(PNEC)

No information available.

SECTION 8 Exposure controls/personal protection (cont)

8.2. Exposure controls

Engineering Controls

- Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits
- All equipment used when handling the product must be grounded
- Organizational measures to prevent /limit releases, dispersion and exposure
- Eyewash stations
- Showers

Personal protective equipment

Eye/face protection

- Wear safety glasses with side shields (or goggles) (EN166)

Hand Protection

- Chemically resistant gloves (tested to EN374)
- Wear protective nitrile rubber gloves
- Wear protective butyl rubber gloves
- Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves

Skin and body protection

- Suitable protective clothing

Respiratory protection

- In case of insufficient ventilation, wear suitable respiratory equipment
- Full face mask (EN 136), Half-face mask (DIN EN 140), Filter type A (EN 141)
- Long term
- Wear self-contained breathing apparatus

Environmental exposure controls

- Avoid release to the environment

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

GENERAL INFORMATION		
Physical state	Solid	
Appearance	Powder	
Odour	Characteristic	
Odour threshold	No information available	
Property	Value	Remarks / Method
pH	> 12	@ 20 °C
Melting point / freezing point	No data available	None known
Boiling point and range	No data available	None known
Flash point	Not applicable	None known
Evaporation rate	Not applicable	None known
Flammability (solid/gas)	No data available	None known
Flammability Limit in Air: Upper/lower flammability	No data available	None known
Vapour pressure	No data available	None known
Density Value	No data available	None known
Relative density	No data available	None known
Water solubility	1.5 g/L @ 20 C	None known
Solubility (ies)	No data available	None known
Partition coefficient n-octanol/water	No data available	None known
Auto-ignition temperature	Not applicable	None known
Decomposition temperature	No data available	None known
Viscosity	Not determined	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	None known
Oxidising properties	No information available	None known

9.2 Other Information

Softening point	No information available
Molecular weight	No information available
VOC	0 %
Liquid Density	No information available
Bulk density	No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

No known reactivity

10.2 Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact No.
Sensitivity to Static Discharge No.

10.3 Possibility of hazardous reactions

None under normal processing conditions

10.4 Conditions to avoid

Exposure to air or moisture over prolonged periods, dust formation.

10.5 Incompatible materials

- Water
- Acids
- Alloys
- Gives off hydrogen by reaction with metals. (Al, Zn, Cu, ...).

10.6 Hazardous decomposition products

Hydrogen Carbon oxides

SECTION 11 Toxicological information

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	May cause irritation of respiratory tract.
Eye contact	Risk of serious damage to eyes.
Skin contact	Irritating to skin.
Ingestion	No data available.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Risk of serious damage to eyes.
Sensitization	This cement product has been processed by a reduction agent to decrease chromium VI to < 0.0002% so skin sensitization (H317) is not applicable.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	May cause respiratory irritation.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Chemical name	ORAL LD50	LD50/DERMAL/RAT - NO UNITS (WIZARDS MG/KG)	INHALATION LC50
Potassium carbonate	= 1870 mg/kg (Rat)	-	-

SECTION 12 Ecological information
12.1 Toxicity

None. This product is not expected to cause harm to animals or plants during normal conditions of use. Stone wool is principally made from non scarce rock material and recycled stone wool.

Chemical name	ALGAE/AQUATIC PLANTS	FISH	CRUSTACEA
Potassium carbonate	-	-	630: 48 h Ceriodaphnia dubia mg/L LC50

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

SECTION 13 Disposal considerations
13.1 Waste treatment methods

Waste from residues/unused products

- Disposal should be in accordance with applicable regional, national and local laws and regulations
- Should not be released into the environment

Contaminated packaging

- Refer to manufacturer/supplier for information on recovery/recycling
- Dispose of empty containers and wastes safely
- Disposal should be in accordance with applicable regional, national and local laws and regulations

Waste codes / waste designations according to EWC / AVV

- Waste codes should be assigned by the user based on the application for which the product was used
- The following Waste Codes are only a suggestion:
- 10 13 11

SECTION 14 Transport information

TRANSPORT INFORMATION	
IMDG	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special provisions	No
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available
RID	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No
ADR	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No
IATA	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

SECTION 15 Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French REG NO.	TITLE
Cement, portland, chemicals 65997-15-1	RG 8, RG 1	-
Potassium carbonate 584-08-7	RG 58, RG 67	-

Germany

Water hazard class (WGK)

slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Ozone-depleting substances (ODS)

regulation (EC) 1005/2009

15.2. Chemical safety assessment

Chemical Safety Report

No information available

SECTION 16 Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

Legend

*	Skin designation	Ceiling	Maximum limit value
STEL	STEL (Short Term Exposure Limit)	TWA	TWA (time-weighted average)

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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